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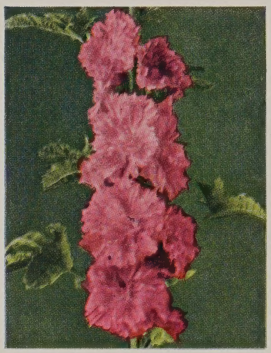
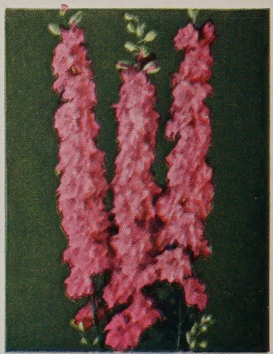
Garden Guide

1942

VAN ANTWERP SEED CO.
MOBILE, ALABAMA





Sweet Pea, Rose Pink, Pkt. 10c.

Petunia, Topaz Rose, Pkt. 25c.

Verbena, Brightness, Pkt. 15c.

Calendula, Campfire Improved, Pkt. 15c.

Marigold, Pot o' Gold, Pkt. 15c.

Zinnia, Dahlia Flowered Oriole, Pkt. 10c.

Alyssum, Violet Queen, Pkt. 15c.

Hollyhock, Indian Spring, Pkt. 15c.

Petunia, Theodosia, Pkt. 25c.

Poppy, Gartref Giant Art Shades, Pkt. 15c.

Pansy, Engelmann's Giant, Pkt. 35c.

Larkspur, Pink King, Pkt. 15c.

SPECIAL COLLECTION

One packet each of the above, postpaid $1.85

Regular value, $2.10

Novelty Flower Seeds for 1942

Cleome, Pink Queen

Verbena Hybrida, Roseglow

Petunia Glamour

Marigold, Dwarf French Double, Butterball

MORNING GLORY, PEARLY GATES

Silver Medal, All America Selections, 1942

A big, satiny white Morning Glory with a creamy shading in the throat. An early blooming climber, literally covered with lovely flowers. Has a beautiful appearance and makes a grand companion for Clark's Early Heavenly Blue. Luxurious foliage; reaches 12 ft. **Pkt. 25c.**

CLEOME, PINK QUEEN

Silver Medal, All America Selections, 1942

A tall and attractive border plant with huge heads of delightful and refreshing pink without a trace of blue or magenta. It is never out of bloom. A grand flower, well branched, airy foliage. Reaches over four feet. **Pkt. 25c.**

NIEREMBERGIA, PURPLE ROBE

Bronze Medal, All America Selections, 1942

Very dwarf, cushion-like plant, surmounted with flowers of deep or violet-blue. It stays in bloom over a long period and with a colorful blanket of bloom. A grand border and edging subject; about six inches tall. **Pkt. 25c.**

MARIGOLD, DWARF FRENCH DOUBLE, BUTTERBALL

Bronze Medal, All America Selections, 1942

Most attractive, very compact, scabious-flowered Marigold of canary yellow. Rich, dense foliage, well covered with small blooms. Six to ten inches tall, uniform, very early and continuous flowering. **Pkt. 25c.**

PHLOX GIGANTEA, RED GLORY

Honorable Mention, All America Selections, 1942

Rich, bright red Gigantea type Phlox with contrasting white eye. A free, continuous bloomer, tall, lightly foliaged, uniform and true. **Pkt. 25c.**

MARIGOLD, MISSION GIANT, YELLOWSTONE

Honorable Mention, All America Selections, 1942

Large, two and a half inch flowers of bright, rich, clear yellow, on luxurious, large plants. Flowers are of double, incurved, Chrysanthemum-like form, and very attractive. Blooms late and lasts until frost. Uniformly three to five feet tall. **Pkt. 25c.**

VERBENA HYBRIDA, ROSEGLOW

Glowing deep rose shading to orange scarlet in the individual floret without an eye. Color is so luminous that each plant has the appearance of a small flat fountain of fire. Decidedly free flowering. **Pkt. 25c.**

COSMOS, DOUBLE ORANGE RUFFLES

A semi-double form of the very popular Cosmos Orange Flare. The extra two or three rows of petals add immensely to the butterfly-like beauty of the richly colored orange bloom. Ten days to two weeks earlier than Orange Flare and more dwarf in habit. Flowers continuously throughout the summer weeks. **Pkt. 25c.**

PETUNIA, GIANTS OF CALIFORNIA, GLAMOUR

Honorable Mention, All America Selections, 1942

Large flowers of salmon-rose with brown veining on white in the throat. An excellent color under artificial light and outdoors. Little variation in color shades. Most flowers have wavy, fringed petals although a few come plain edged. A free and continuous bloomer. **Pkt. 25c.**

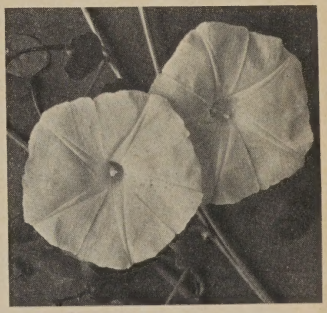
RUDBECKIA, STARLIGHT

Honorable Mention, All America Selections, 1942

Large, semi-double flowers in colors ranging from primrose yellow to mahogany and bicolors, with mahogany centers. A free bloomer and unique for cutting arrangements; long stems. **Pkt. 25c.**

Cosmos, Double Orange Ruffles

Marigold, Mission Giant, Yellowstone



Morning Glory, Pearly Gates

Phlox Gigantea, Red Glory

Annual and Perennial Flower Seeds

AGERATUM (a)

Popular annual plants producing fluffy blue flowers all summer. The dwarf stature and compact habit permit its use as an edging plant or in the rockery where it will flourish in any soil. Sun or partial shade.

Midget Blue. Silver Medal, All-America Selections, 1940. A very fine dwarf (2 to 3 inches high) Ageratum with delicate foliage, which is practically smothered with small true Ageratum Blue flowers. **Pkt. 15c.**

Blue Ball. Compact round plants, 6 inches tall, hidden by a mass of pure blue flowers. Fine for dwarf beds and edging. **Pkt. 10c.**

AGERATUM, MIDGET BLUE

ALYSSUM, Madwort

One of the most popular garden flowers, remaining in bloom the entire season; suitable for beds and edging in summer, or for growing in pots and boxes for winter blooming.

Carpet of Snow (ra). White flowers on plants only 3 inches tall. Rapidly becoming a favorite variety. **Pkt. 10c.**

Saxatile Compactum. Perennial. Sometimes called Basket of Gold. It grows compactly and is covered with a wealth of golden blossoms in early spring. Height 12 inches. **Pkt. 10c.**

VIOLET QUEEN. (a) Dwarf, compact plants of small, sweetly scented flowers of a very rich deep shade of violet. Neat in habit and free flowering. Violet Queen will unquestionably be one of the leading novelties. **Pkt. 15c.**

ANCHUSA, Summer Forget-Me-Not (a)

A free-flowering class, producing its charming Forget-Me-Not-like blooms in graceful sprays from early summer until late fall.

Blue Bird. Deep blue flowers on plants 18 inches tall. **Pkt. 10c.**

ANTIRRHINUM (See Snapdragon)

ARCTOTIS HYBRIDS AUTUMN SHADES (a)

A gay and cheerful member of the daisy family. Dozens of blossoms open at a time, commencing to bloom in early spring. Many shades of red, orange, yellow, typical autumn tones. Foliage is a soft gray green with slender wavy edged leaves.

Mixed. Pkt. 10c.

ASTER (a)

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July until September this flower reigns supreme in the garden, not equaled by any other. For these obvious reasons we give a great deal of attention to these flowers, and are in a position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. To do well, Asters require a well pulverized soil, always kept open by continuous cultivation. Height, 1 to 3 feet.

IMPROVED GIANTS OF CALIFORNIA. This Aster bids fair to become a universal favorite. Characterized by the well-known Crego type of flower, combined with the Beauty Aster's long, non-lateral, branching stems, the California Giants, double type Aster, stands at the head of the list.

Finest Mixed. Pkt. 15c.

Aster, Super Giant El Monte. Deep glowing crimson, composed of abundant quantities of daintily interlaced plume-like petals, the flowers are extremely large and fluffy, borne on heavy non-lateral, basal branched stems. **Pkt. 15c.**

Aster, Super Giant Los Angeles. The flowers are fully double, 6 to 8 inches across, graceful and delicately interlaced. Long, stiff stems, bearing the large shell pink flowers smartly upright. **Pkt. 15c.**

Aster, Early Giant Wilt-Resistant, Light Blue. Silver Medal, All-America Selections 1939. Light Blue, is fully wilt-resistant, extremely large flowered and most attractive. Color is a rich light blue, a shade which blends in beautifully with either deeper or lighter tones. **Pkt. 15c.**

Aster, Early Giant Wilt-Resistant, Peach Blossom. This new type is very large and full with broad, graceful petals, daintily plumed and intertwined. Of an attractive shade which opens almost white and flushes light pink then lavender pink as flower matures. Plants 1½ to 2 feet tall. **Pkt. 15c.**

Aster, Rose Marie. Early, wilt-resistant. Rich shade of rose; 4-5 inches in diameter with long heavy petals and full fluffy centers. 1½-2 feet tall, each stem produces 6-8 flowers. **Pkt. 15c.**

ASTER, WILT-RESISTANT PRINCESS BONNIE

Aster, Wilt-Resistant, Princess Bonnie. A very beautiful soft salmon rose shade with the center rich gold while opening. A luscious new color combination in Asters. The large blooms are freely produced on long stemmed plants which remain in good condition for two weeks or more. **Pkt. 15c.**

IMPROVED CREGO WILT RESISTANT. The large shaggy flowers with long curled petals are not unlike the ostrich feather for which they are commonly named. The plants are strong, heavily branched and grow about 2½ feet in height.

Blue Flame. Bright navy blue. **Pkt. 10c.**
Crimson. Glowing deep rose-crimson. **Pkt. 10c.**
Cattleya. Fascinating shade of orchid. **Pkt. 10c.**
Purple. Showy violet purple. **Pkt. 10c.**
Enchantress. Luscious shade of lively salmon rose. **Pkt. 10c.**
Pink. Beautiful shell pink. **Pkt. 10c.**
Rose. Lovely bright carmine rose. **Pkt. 10c.**
White. Purest white, large and fluffy. **Pkt. 10c.**
Crego's Finest Mixed. Pkt. 10c.

AMERICAN BEAUTY. Wilt Resistant. Plants 2½ to 3 feet tall, branching, robust; flowers large, double and fine form, blooming in early September. Our selected stocks of these are the best money can buy.

Finest Mixed. Pkt. 10c.

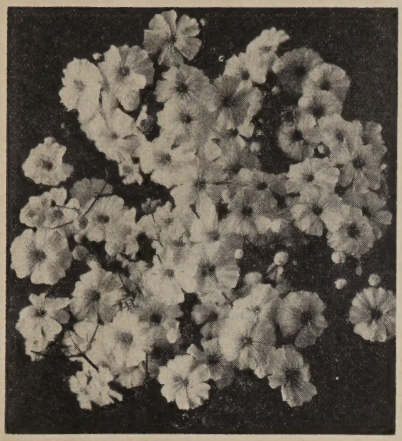
SINGLE ASTERS. (a) Large, daisy-like flowers in the same colors as the double China Asters, 18-24 inches high with large flowers on graceful stems. Fine for variety in the garden. Excellent for cutting.

Mixed. All colors. Pkt. 10c.

Sunshine or Anemone Flowered Asters. (a) Dwarf, branching, free-flowered variety. The flowers are composed of a loose row of outer petals which contrast with the very different quill-like yellow center disc. The effect produced is two-toned.

Choice Mixture of Colors. Pkt. 15c.

ANNUAL AND PERENNIAL FLOWER SEEDS



GYPSOPHILA, ELEGANS GRANDIFLORA

BABY'S BREATH, Gypsophila

Pretty, free-flowering annuals and perennials. Their misty white panicles are largely used for mixing with other cut flowers. Height, 1 to 3 feet.

Elegans Grandiflora. (a) London Market Improved. An improved annual strain with single large pure white flowers. Sow at intervals for a supply of flowers throughout the summer. Height, 2 feet. **Pkt. 10c.**

Paniculata White. (p) Hardy perennial with sprays of tiny rose-shaped blooms. If cut before the flowers are fully opened, sprays can be used in winter bouquets. Height, 3 feet. **Pkt. 10c.**

Double White. (p) Each flower double, pure white. Excellent for dry bouquets if cut and treated like the single variety. Good cut flower. **Pkt. 25c.**

BACHELOR'S BUTTON or CORNFLOWER Centaurea

Particularly well adapted for border plantings. The types cultivated for their flowers have bulging calyxes from which many finely cut petals expand. All of them are of easy culture from seed.

Cornflower, Jubilee Gem. Silver Medal, All-America Selections, 1937. A dwarf variety of Cornflower making a compact plant literally covered with flowers. About 12 inches in height. Easy to grow. Admirable as a border plant. A fine cut flower. It may be sown outside in the autumn for spring flowering, or in the spring for summer flowering. **Pkt. 10c.**

Cyanus Double. (a) (Bachelor Button). This superb class of Cornflowers produces handsome, large double blooms, effective out-of-doors and in bouquets. Height, 2 to 3 feet.

Blue Boy, Pkt. 10c. **Rose, Pkt. 10c.** **Mixed, Pkt. 10c.**

BALSAM, Lady Slipper (a)

An old and popular garden flower of easy culture. Gorgeous masses of brilliant colored double flowers are produced in the greatest profusion. Height, 2 feet.

Camellia Flowered. Finest mixed. **Pkt. 10c.**

BEAN (a)

A rapid climber, flowering profusely; grows 10 to 15 feet high. Edible as well as ornamental.

Scarlet Runner. Pkt. 10c.

BLACK-EYED SUSAN, Thunbergia (ac)

Beautiful, rapid-growing annual climber, preferring a warm, sunny situation; used extensively for hanging baskets, vases, low fences, etc. Very pretty flowers in buff, white, orange, etc., with dark eyes. Height, 4 feet.

Alata. Finest mixed. **Pkt. 10c.**

If the annual daisy-like Black-Eyed Susan is desired, you will find it listed under Cone Flower (Rudbeckia).

a, annual; b, biennial; c, climber; p, perennial; ra, rock plant annual; rp, rock plant perennial.

BLUE FERN FLOWER, Nierembergia

Hippomanica. (ra) The flowers are a lovely lavender blue shade, heightened by a touch of yellow in the center. Plants are dwarf and compact, about 5 or 6 inches tall. Foliage is light gray green, very inconspicuous. Literally hundreds of flowers in bloom at a time throughout the summer. At all times neat and tidy looking. Excellent as an edging plant and lovely in a window box or in flower pots. **Pkt. 25c.**

BUTTERFLY FLOWER, Schizanthus (a)

One of our finest hardy annuals. Of easy culture in any good garden soil. Showy flowers of various colors, closely resembling some species of Orchids. Also useful as pot plants for late winter and spring; for this purpose sow in autumn.

Butterfly Mixture. Fine bright mixture, free flowering, compact pyramidal plants, 12 to 15 inches. **Pkt. 10c.**

California Poppy is listed under Poppy.

CALENDULA, Pot Marigold

The colorful flowers make a wonderful display in the garden and are always admired by those who see them. Blooms freely in early summer and continues into the fall. Even though this plant prefers a sunny location and rather dry soil, it does well under widely different conditions, requiring little care to grow to perfection. 18 to 24 inches in height.

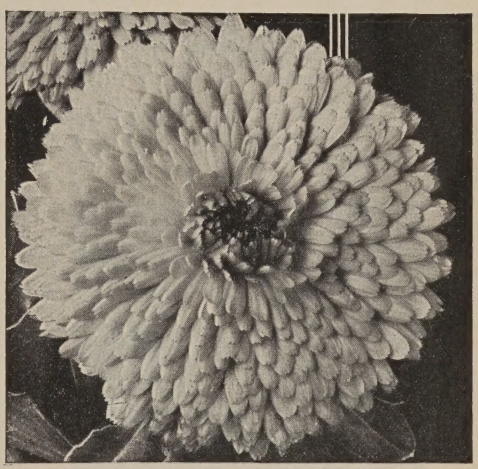
Campfire Improved. A very deep strong orange with distinct scarlet sheen on upper side of each petal. Blooms flat across top and measure 4 inches in diameter. Plants are strong growing and even in habit. Exceptionally long heavy cutting stems in generous quantity on each plant. **Pkt. 15c.**

Orange Fantasy. Silver Medal, All-America Selections, 1938. Distinct. Rather dwarf, heavy foliaged plants. 18 to 24 inches. Crested flowers of coppery orange, with petals edged mahogany. True. A fine novelty. **Pkt. 10c.**

New Sunshine Calendula, Chrysantha. Gold Medal Winner, All-America Selections, 1934. A clear, buttercup yellow in color with loosely arranged petals, incurved at center and reflexed at edges. Flowers mounted on strong, wiry stems a foot in length; excellent for cutting. **Pkt. 10c.**

Radio. Flowers hemispherical in shape with bristling quilled petals, rich glowing orange. Graceful and attractive. **Pkt. 10c.**

Double Mixed. Pkt. 10c.



CALENDULA, CAMPFIRE IMPROVED

CALLIOPSIS, Tickseed (a)

Very showy and splendid subjects for garden decoration as well as for cutting. Sow seed where intended to bloom in early spring; thin out to 6 inches apart. Cut flowers as soon as they open, as this prolongs the blooming season until autumn. Height, ½ to 2½ feet.

Golden Crown. Silver Medal, All-America Selections, 1938. An enlarged Drummondi. A rich orange-yellow or gold with maroon center. Of pleasing fragrance. Makes a good cut flower with 12-inch wiry stems. Similar to Golden Crest. **Pkt. 10c.**

Tall Mixed. Pkt. 10c. **Dwarf Mixed. Pkt. 10c.**

ANNUAL AND PERENNIAL FLOWER SEEDS

CANDYTUFT (a)

Valuable for masses and edging, and considered indispensable for cutting. Seed sown in April flowers in June; successive sowings should be made at intervals. Hardy and easy to grow, blooming profusely. Height, 1 foot.

Giant White Hyacinth Flowered. Very fine for cutting. **Pkt. 10c.**

Umbellata. Mixed. **Pkt. 10c.**

ANNUAL CANTERBURY BELLS

CANTERBURY BELLS, Campanula

Calycanthema (b) (Cup and Saucer). Perhaps the most beautiful type; distinct in form, with large bell or cup-shaped flowers surrounded at the base by a large calyx of similar color, the whole resembling a cup and saucer. In separate colors—pink, blue, white and purple.

Finest Mixed. Pkt. 10c.

Annual Canterbury Bells. (a) When planted from seed, loads itself with flowers in less than five months, in colors the same as the biennial type, including the various shades of blue, pink, rose, and white.

Finest Mixed. Pkt. 15c.

CALLIOPSIS, GOLDEN CROWN

Hare Bell (rp) (Carpatica). Easily grown dwarf perennial, 8-10 inches high for the rock garden or front of border. Profuse light-blue or white, cup-shaped flowers. Summer. **Pkt. 10c.**

Peach Bells (p) (Persicifolia). An excellent border plant, 2½ feet. Flowers large, bell-shaped, blue. Summer. **Pkt. 15c.**

CARDINAL CLIMBER (ac)

Graceful climber with cardinal-scarlet blooms 1 to 1½ inches in diameter. Rich, glossy, dark green foliage. Grows 15 feet tall and is in bloom all summer.

Ipomoea Cardinalis. Pkt. 10c.

CARNATION, Dianthus Caryophyllus (p)

Few flowers surpass in beauty of form or delicious fragrance, the richly hued Carnation. The plants are branching but compact, and the handsome blossoms are produced on blue-green stems that are stiff but slender. The double flowers with their thick waxy petals are spicily scented.

Chabaud Giant. 18 inches. This variety blooms six months after seeding and continues throughout the summer. The plants, robust and erect, supply handsome, double, clove-scented flowers of extra large size. Pink, White, Red and Yellow. **Pkt. 15c.**

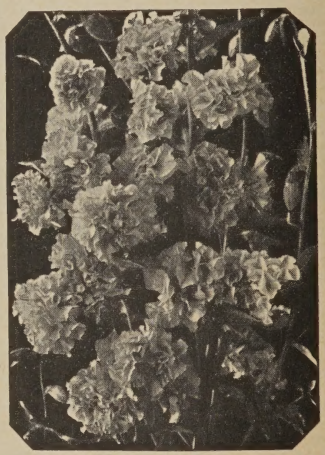
CASTOR BEAN, Ricinus (a)

Magnificent, tall, large-leaved plants of tropical appearance, succeeding in a warm, sunny location. Beautiful for large foliage groups and background. Height, 10 to 12 feet.

Mixed Varieties. Pkt. 10c.

CHRYSANTHEMUM (p)

Korean Hybrids. Single or semi-double perennial Chrysanthemums. Easy from seed. Culture as for other hardy mums Various colors mixed. **Pkt. 15c.**



CLARKIA, ELEGANS

CLARKIA (a)

An annual, flowering in July, which should be far more widely known. It is of easy cultivation, graceful in habit of growth, and lends itself as well to bedding as for cutting. Flowers in long racemes which open in water when cut.

Elegans. Double. Choice mixed. Height, 2 feet. **Pkt. 10c.**

COCKSCOMB, Celosia (a)

Very attractive and showy, somewhat tender annual, producing massive heads in rich shades of crimson and yellow flowers. Should be started in hot beds and transplanted to rich soil after warm weather comes. Set plants a foot or more apart.

Cristata. Choice mixed; height, 9 to 18 inches. **Pkt. 10c.**

Plumosa (Improved Feather Type). Choice mixed; height, 2 feet. **Pkt. 10c.**

COLUMBINE, Aquilegia (p)

These are among the most beautiful of spring and early summer flowers; very effective when grown in the herbaceous border and groups among shrubbery. Graceful spurred flowers on stems 2 feet or more above the fern-like foliage.

Mrs. Scott Elliott's Strain. One of the finest tall strains ever developed, long-spurred, large flowers, in a splendid mixture of colors. **Pkt. 10c.**

ANNUAL AND PERENNIAL FLOWER SEEDS

CONE FLOWER, Rudbeckia (a)

Kelvedon Star. Deep golden yellow with deep mahogany zones, and dark brownish central disc. Long stems. **Pkt. 15c.**

COREOPSIS (p)

One of our most popular perennials; the attractive flowers are borne in great profusion and are excellent for cutting. Height, 3 feet.

Grandiflora Double Sunburst. Much of the beauty of early summer gardens is due to the brilliant golden yellow of Coreopsis plantings. The double flowers are large, 1½ to 2 inches across, deep golden yellow, and are excellent for cutting as well as for garden decoration. Fine keepers; plants are easy to grow. **Pkt. 10c.**

COSMOS (a)

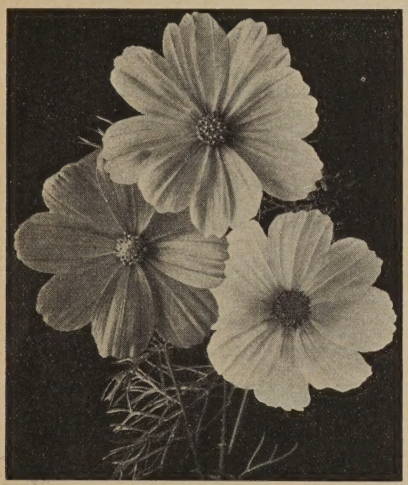
No garden is complete without Cosmos. These old favorites supply a gorgeous, colorful effect during late summer and fall. Fine for cutting as the flowers last well in water. Cosmos are easy to grow.

SENSATION COSMOS

Pinkie. The finest new development in Cosmos. Flowers very large, as much as 5 inches in diameter, with broad, heavy fluted petals, slightly overlapped. Ideal for cut flowers. Sturdy plants 3 to 4 feet high, producing flowers 8 to 10 weeks from seed. **Pkt. 10c.**

Purity. Purity is the glistening white Cosmos in the Sensation type as Pinkie is the delightful rose pink shade. **Pkt. 10c.**

Sensation Mixed. Pkt. 10c.



COSMOS, SENSATION MIXED

EARLY KLONDYKE ORANGE FLARE. Grand Champion Gold Medal, All-America Selections, 1935. The long stemmed flowers of bright vivid orange are freely borne on 2 to 3 foot plants. Its most remarkable feature, however, is its early blooming habit. It blooms from mid-summer until frost. **Pkt. 10c.**

EARLY DOUBLE CRESTED. Showy plants, 3 to 4 feet tall, covered with a mass of lovely, large flowers. Our strain produces a large percentage of double blooms.

Mixed. Pkt. 15c.

CUPHEA (ra)

A tender annual flowering readily in 12 to 14 weeks from seed. A dwarf, compact plant neat in habit. Blooms profusely throughout the summer months, and reaches a height of about 10 inches.

Firefly (New). Flowers small and delicately formed. Fiery crimson in color. The general effect of a plant when in full bloom is a ball of fire. Suitable for the rockery, window boxes, flower pots or as a border or edging variety. **Pkt. 15c.**

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a, annual; b, biennial; c, climber; p, perennial; ra, rock plant annual; rp, rock plant perennial.

UNWIN'S IMPROVED DWARF HYBRID DAHLIAS

DAHLIAS (From Seed) (rp)

Improved Unwin's Dwarf Hybrids. These double and semi-double Dahlias are one of England's best contributions to the flower world. They grow from 18 inches to 2 feet tall and come in many delightful shades. Plants are compact and are as easy to grow as Zinnias. Bloom the whole summer.

Mixed Colors. Pkt. 25c.

Coltness Hybrids. Dwarf Dahlias which grow but 12 to 18 inches tall. Masses of single flowers in many brilliant colors make beautiful borders; also very useful for cutting as the flowers are borne on stiff stems. Flowers from early July to frost and require little care.

Mixed Colors. Pkt. 15c.

DAISIES

AFRICAN GOLDEN DAISY, Dimorphotheca (a)

The plants are of branching habit, growing about 15 inches high. An easily cultivated annual.

Aurantiaca Hybrids. The flowers are equally large, but vary in color from the purest white to yellow, orange and rich salmon shades, many being zoned with several of these colors around the black disk. **Pkt. 10c.**

Orange Improved. Pkt. 10c.

ENGLISH DAISY, Bellis (p)

A favorite perennial, which will stand the winter if given the protection of a little litter. In bloom from early spring until well on in the summer. Seed may be sown any time from spring until August. For best results, new plants should be raised from seed each year. Height, 3 to 6 inches.

Double Finest Mixed. Pkt. 10c.

PAINTED DAISY, Pyrethrum (p)

This plant is cousin to the Chrysanthemum and Matricaria and should play an important part in many a well planned garden. Height, 1 to 3 feet.

Single Mixed. Radiating petals in many tones of rose and red about a golden center. **Pkt. 10c.**

SHASTA DAISY, Chrysanthemum maximum (p)

It is a hardy plant bearing large white, single blooms with handsome yellow centers. They are valuable for border decoration and especially pleasing in bouquets.

Alaska. Pure white, extra large flowers. Excellent for cutting. Height, 2 feet. **Pkt. 10c.**

Double Shasta Daisy. Flowers large, very double. **Pkt. 25c.**

SWAN RIVER DAISY, Brachycome (a)

Brilliant free-flowering annual blooming throughout the summer months and suitable for beds or borders. The dainty flowers resemble small Cinerarias. Height, 6 to 12 inches.

Mixed Colors. Pkt. 10c.

ANNUAL AND PERENNIAL FLOWER SEEDS

PACIFIC HYBRID DELPHINIUMS

DELPHINIUM (p)

One of the greatest charms of hardy Larkspurs is in their shades of blue which range from soft rosy lavender to violet and deepest indigo. The dwarfs are valuable in the border while the magnificent tall varieties are stately and beautiful in front of a shrubbery background. Above the deeply cut dark green leaves rise long floral spikes. Height, 1 to 8 feet.
Pacific Hybrids. A new strain of Delphiniums originated on the Pacific Coast to grow under Pacific Coast conditions. Huge flowers, 2½ to 3½ in. in diameter, beautifully spaced on well balanced tall spikes. Highly resistant to mildew. Color range excellent and comes practically 100% double florets. **Pkt. 25c and 50c.**
Belladonna. A delightful shade of silvery blue. **Pkt. 10c.**
Bellamosum. Rich, deep and intense blue. **Pkt. 10c.**
Wrexham Hybrids. Without question the finest strain of large flowered hybrid Delphiniums. Various shades and color combinations in the individual flowers. Will produce amazingly large flowers and spikes. **Pkt. 25c.**

EVENING PRIMROSE, Oenothera (b)

A twilight blooming plant. Flowers of brilliant yellow are often 3 inches across. Clusters of them decorate the tops of upright spikes which are arranged in the form of a candelabra. Height, 2 to 6 feet.
Lamarckiana. Pkt. 10c.

FLOWERING TOBACCO, Nicotiana (a)

Stately plants producing large, trumpet shaped blooms until frost. Fine for beds and borders. Height, 2 to 5 feet.
Affinis Hybrids, Mixed Colors. Pkt. 10c.

FOUR O'CLOCK, Marvel of Peru (a)

A favorite showy annual for beds and borders. Excellent for planting in front of the porch or alongside the house. The plants bloom freely from July until frost.
Tall, Mixed. 2 feet tall, in many fine colors. **Pkt. 10c.**

FOXGLOVE, Digitalis (b)

This ornamental hardy plant is used extensively for naturalizing in shrubbery borders and along the edges of woods. It grows well under almost all conditions, giving a wealth of bloom during June and July. Height, 4 to 6 feet.
Gloxinioides. This is an improved strain of the ordinary Foxglove, with handsome spotted Gloxinia-like flowers on long spikes. **Mixed Colors. Pkt. 10c.**

FLAX, Linum

Grandiflorum rubrum. (a) An old favorite with large, rich crimson blooms borne profusely on plants growing 18 to 24 inches tall. Though the flowers last only one day, new ones appear every morning. **Pkt. 10c.**
Perennial Blue. (p) Perennial Flax is a reliable garden perennial. The foliage is very delicate, light blue green and is covered with light blue flowers for a long season. **Pkt. 10c.**
Yellow Flax. (p) Different. Forms a compact plant with broader dark green leaves and clusters of showy yellow flowers. Summer. **Pkt. 10c.**

GAILLARDIA, Blanket Flower (p)

Tones of orange, yellow, red, and maroon, often beautifully combined in a single blossom, make these flowering plants gay ornaments of the garden all summer. Height, 1 to 2 feet.
Single Mixed. Daisy-like yellow and bronze, yellow center. **Pkt. 10c.**
Double Mixed. Shades of sulfur, orange and claret. **Pkt. 10c.**
Grandiflora Portola Hybrids. (p) Semi-double blooms of magnificent size and broad overlapping petals, golden tipped around glowing centers of bronzy red. **Pkt. 15c.**
Dazzler. Large, well formed flowers, very vivid in the garden as the name implies. Golden yellow and maroon red. Striking perennial. **Pkt. 15c.**

GEUM, Avens (p)

Beautiful hardy perennials, bearing profusely large, showy, double, dark crimson flowers all through the summer. An elegant flower for bouquets. Height, 18 inches.
Lady Stratheden. A new golden yellow with large full flowers of great beauty. **Pkt. 10c.**
Mrs. Bradshaw. Large, double, brilliant orange-scarlet. In flower throughout the entire summer. **Pkt. 10c.**

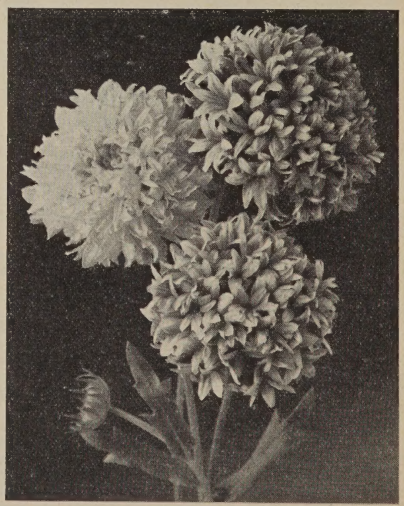
GODETIA (See Satin Flower)

ORNAMENTAL GOURDS (ac)

Ornamental Gourds are easily grown in rich soil, where they will produce plenty of fruits. They may be trained on trellises and the ripened fruits used for ornaments. Special mixture of large and small kinds. **Pkt. 10c.**

HOLLYHOCK, Althaea (p)

The beautiful color effects produced by the planting of these flowers, render them indispensable for the old-fashioned garden or the herbaceous border. Height, 6 to 12 feet.
Indian Spring. (a) Semi and double flowers of bright rose and rosy carmine. Its many flowered branches produce a continuous show until frost. Sow fall or early spring. Flowers five months from seed. **Pkt. 15c.**
Single Mixed Colors. Pkt. 10c.
Chater's Double. (p) Deep rose, salmon rose, scarlet, sunflower yellow, and white. Separate colors. **Pkt. 10c.**



GAILLARDIA, DOUBLE

ANNUAL AND PERENNIAL FLOWER SEEDS

LARKSPUR (a)

Annual Delphiniums are adorned with finely cut, feathery foliage which set off to advantage the handsome long floral spikes of double blossoms. The colors range from pure white through soft shades of lavender and pink to deep blue.

GIANT IMPERIAL. Tall, upright, compact, basal branching in habit, the Giant Imperials have superseded all other types of Larkspurs for general garden use. Their Delphinium-like spikes of double florets are carried on stout stems 4 to 5 feet.

White King. Flowers pure, glistening white, with extremely large double florets, evenly spaced on stem. Early, the finest Larkspur. **Pkt. 10c.**

Coral King. The same form and size as White King and is different only in color—a beautiful coral pink. **Pkt. 10c.**

Pink King. A lovely soft, yet vibrant shade of salmon rose. Fully double, two-inch florets of rounded broad petals which are evenly and closely spaced on stems. Basal branched character gives several fine spikes of bloom on each plant. One of the earliest flowering of all Larkspurs. **Pkt. 15c.**

Blue Spire. Very deep violet blue. Outstanding blue. **Pkt. 10c.**

Pink Perfection. Two-inch florets of rounded broad petals evenly and closely spaced on stem, giving a heavy Hollyhock-like cutting spike 24 in. long. Very free flowering. Color is luscious, lively light pink. **Pkt. 10c.**

Finest Mixed. Pkt. 10c.

Los Angeles. Rich salmon overlaid with brilliant rose. **Pkt. 10c.**

Blue Bell. Delightful clear light blue. Upright with long base branching spikes. **Pkt. 10c.**

Carmine King. Rich deep carmine and salmon flowers on long spikes; 3 to 4 ft. stems. **Pkt. 10c.**

Lilac Spire. The beautiful lilac so attractive in larkspurs, with giant size of the Imperial group. **Pkt. 10c.**

Finest Mixed. Pkt. 10c.

TALL DOUBLE STOCK FLOWERED. A strikingly tall variety with lateral branches which produce many fine spikes.

Rosamond. Gold Medal Winner, All-America Selections, 1934. Exceptionally uniform in habit, bearing bright rose flowers that hold their color. Is two weeks earlier than other varieties. **Pkt. 10c.**

Finest Mixed. Pkt. 10c.

LINARIA, Miniature Snapdragon (a)

This interesting species bears flowers which resemble miniature Snapdragons ending in single elongated spurs. It includes both trailing and erect growing varieties which are little known but worthy of greater attention. Height, 8 to 18 inches.

Maroccana Mixed. This is an erect sort with finely cut foliage and with blossoms clustered on upright spikes. The colors which are varied embrace many shades of crimson, orange, and blue. The plant is in flower within two months. **Pkt. 10c.**

White. Small spikes of dainty, pure white flowers. Fragrant. Free-flowering. **Pkt. 10c.**

LOBELIA (a)

A dainty and continuous blooming annual of compact growth, remarkable for its profusion of beautiful blue flowers. Unexcelled for edging, ribbon beds, hanging baskets or window boxes. Height, about 6 inches.

Compacta, Crystal Palace. Erect and very free blooming. Best dark blue for edging. Fine for pots. **Pkt. 10c.**

LUPIN, Sun Dials

Thrive in almost any situation. Sow where they are to bloom in May, and as plants grow, thin out to 1 foot apart. The annual varieties bloom freely from June until September, and the perennials make a fine addition to the hardy border.

Russell Lupins. Long, closely furnished spikes flower in a great variety of rich colors—deep yellows, oranges, reds, and brilliant bi-colors never seen in Lupins before. The florets are large with flat fan-like back-standards, and unlike all other Lupins, most of the spikes retain their florets throughout the whole period of development. Awarded the Royal Horticultural Society's Gold Medal, June, 1937. **Pkt. 25c.**

Hartwegii, Annual, Mixed. 2 feet high. All shades and colors. Gorgeous. **Pkt. 10c.**

MIGNONETTE, Reseda Odorata (a)

This old-fashioned flower still enjoys the greatest popularity. Grown for its sweet perfume, which is most pronounced when grown in a light sandy soil. Height, 6 to 10 inches.

Finest Mixed. Includes only large flowering varieties of sweet scented Mignonette. **Pkt. 10c.**

MORNING GLORY, CORNELL

MORNING GLORY, Ipomoea (ac)

Climbers of rapid growth, with beautiful and varied flowers. For covering walls, trellises, arbors, they are invaluable.

Heavenly Blue. A variety that is bringing new popularity to Morning Glories. It is an early blooming climber, literally covered with lovely flowers of sky-blue. Flowers 3½ inches across and blooms until frost. **Pkt. 10c.**

Scarlett O'Hara. Gold Medal, All-America Selections, 1939. An entirely new color in the popular Morning Glories—rich dark wine red or deep rosy crimson. Flowers 4 inches in diameter, freely produced on fast growing vines. Very showy for covering a fence or trellis. The dark green foliage does not make a heavy growth, leaving plants graceful in appearance. **Pkt. 15c.**

Cornell. New. A very free-flowering variety with extra large flowers of bright red. Each flower has a narrow outer border of glistening white. **Pkt. 15c.**

Mixed Imperial Japanese. These are beyond question the handsomest of all Morning Glories. The flowers are of gigantic size and their colorings beyond descriptions. **Pkt. 10c.**

NASTURTIUM (a)

Few garden annuals respond with as little care as the Nasturtium. For ease of culture, duration of bloom, brilliancy of coloring, they are unexcelled. All they need is a moderately good soil, in a well drained, sunny position and within a few weeks from the time they are sown until hard frost comes, there is an endless profusion of their gorgeous blossoms.

GLORIOUS GLEAM HYBRIDS. Award of Merit, All-America Selections, 1935. Delightfully sweet scented; double. Color range includes brilliant blend of salmon, golden yellow, orange scarlet, cerise, cream, orange, maroon and crimson shades.

Mixed Colors Pkt. 10c.

Indian Chief. Indian Chief has dark foliage with vivid scarlet flowers. The blooms are sweet scented and freely produced. We recommend this variety. **Pkt. 10c.**

Golden Gleam. Plant forms a vigorous large bush which throws out short runners, averaging 18 inches. The sweet scented, large double flowers are golden yellow and average 2 to 3 inches across. **Pkt. 10c.**

Scarlet Gleam. A sister of Golden Gleam. Its semi-double blossoms are similar in size and shape to those of the popular golden Nasturtium. Rich, dazzling scarlet. Sweet scented. Fine for cutting. **Pkt. 10c.**

National Eezy Wear Garden Gloves

Give you everything you want —

Women's Sizes Small, Med., Large

All-Leather SOFT AS KID Durable

DIRT-PROOF Easy to Wear WASHABLE

Men's Sizes Small, Med., Large

Economical, too—outwear 6 pairs of fabric gloves and can be used the year 'round for GARDENING, GARAGE, HOUSEWORK, FURNACE, YARD, PAINTING, ETC. They are a real value at 75c a pair, postpaid.

DWARF DOUBLE GOLDEN GLOBE. Award of Merit, All-America Selections, 1936. Vivid golden yellow, identical in color to Golden Gleam. Plants uniformly dwarf and compact, and bear great quantities of semi-double sweet scented flowers. Excellent for edging and window boxes. **Pkt. 10c.**

DWARF DOUBLE GEM MIXTURE. Novelty introduction. 1935. An evenly balanced range of colors on dwarf, compact gem-like plants. Ideal annual for border and edging use Plants are dwarf and compact, totally without runners.

Mixed Colors. Pkt. 10c.

TALL OR CLIMBING NASTURTIUMS. For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal their great quantities of bloom from early summer until frost. The seed pods can be gathered while green and tender for picking. Height, 8 to 10 feet.

Finest Mixed. Pkt. 10c.

DWARF OR BEDDING VARIETIES. Of dwarf, compact growth. Excellent for borders or for bedding forming plants about 1 foot high by 1 foot across.

Finest Mixed. Pkt. 10c.

NEMESIA (ra)

This plant is excellent for edging purposes. Plants send up many slender stalks crowned with fairy-like flowers, something like a Schizanthus. When the flowers fade they may be trimmed back and will bloom again. Their colors run from the brightest reds, yellows, oranges, to the brightest blues and purples. Height, 6 to 12 inches.

Compacta Triumph, Finest Mixed Colors. Pkt. 15c.

NIEREMBERGIA (See Blue Fern Flower)

PANSY, Heart's Ease (b)

When the bright hues of the Tulips and Daffodils have faded, the rich, deep and varied shades of the Pansies provide a welcome change in the flower beds. The varieties listed produce large blooms of good substance, regular markings, and full rich coloring. Low growing.

Swiss Giant. Within the last few years the blossoms of this strain have been remarkably improved in every way. The plants are compact in habit and they produce immense circular flowers for a long blooming season. Attractive shades.

Finest Mixed. Pkt. 35c.

Steele's Mastodon. A vigorous Oregon type, particularly desirable for cutting as the plants are taller and have longer stems. Esteemed for bedding. A fine blend for bright effects.

Finest Mixed. Pkt. 35c.

Popular Bedding Mixture. These are the popular saucy-faced beauties that everybody loves, comprising the finest varieties in all colors. **Pkt. 25c.**

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a, annual; b, biennial; c, climber; p, perennial; ra, rock plant annual; rp, rock plant perennial.

MARIGOLD GIGANTEA FULL DOUBLE ORANGE

MARIGOLD (a)

Late in the season when many other growing things are past their prime, these plants supply an abundance of decorative blossoms. Their tones of orange and yellow blend well when the flowers are arranged loosely in bowls and vases. The bright green foliage is finely cut, and the stems are stout. Tall Marigolds give charm to the border, while the dwarfs are valuable for bedding and edging plants.

GIGANTEA, Full Double Orange. A distinct new color; flowers average 5 inches and over in diameter. Loosely formed, very full centered, with broad, heavy wavy petals which gracefully overlap. Color is a deep, rich, lively orange, one of the most admired shades found in the Sunset Giants. An ideal cut flower. Height, 3 feet. **Pkt. 15c.**

Gigantea, Full Double Mixture. Flowers are largest ever known in Marigold. A mixture ranging from deep orange through golden orange, deep golden yellow, light yellow, lemon yellow, and a delightful new shade of primrose. **Pkt. 10c.**

AFRICAN TALL DOUBLE (Tagetes erecta). Very large globular flowers composed of compact tubular or quilled petals The stems should be cut carefully to avoid the somewhat disagreeable odor when bruised. Height, 2½ feet.

Lemon Queen. Clear lemon-yellow. **Pkt. 10c.**

Orange Prince. Rich, deep orange. **Pkt. 10c.**

Mixed. Pkt. 10c.

CARNATION FLOWERED, Guinea Gold (African). Carnation-like petals and unusually brilliant golden color makes this flower outstanding among Marigolds. It lacks much of the pungent odor of other Marigolds. The plant blooms very freely. Height, 2 feet. **Pkt. 10c.**

Yellow Supreme. Gold Medal, All-America Selections, 1935. It is a companion flower of Guinea Gold. The color is a delightful light lemon yellow, flowers medium sized, loosely ruffled. Free-blooming, 2 feet tall. **Pkt. 10c.**

Mission Giants, Goldsmith. Giant Chrysanthemum-flowered golden orange, base branching and with good stems for cutting. Fully double flowers. Early and free-blooming on strong bushy plants of from 2 to 4 feet in uniform height. **Pkt. 15c.**

POT O'GOLD. Loosely formed, very full centered flowers of bright, deep, golden orange. Broad heavy petals gracefully overlapping make a flower of great depth and beauty. Plants are dwarf and compact, well branched, very neat in appearance and bear a dozen or more large double blooms at a time Exceptionally early flowering. **Pkt. 15c.**

MARIGOLD, FERDINAND. Saucy, sprightly, and colorful. Single flowered with a neat, crested center of dainty tubular florets in an arresting shade of golden yellow surrounded by a single row of broad, mahogany-red guard petals. Although the flowers are of medium size, they are extremely showy, and make a fine cut flower subject. Early blooming. **Pkt. 10c.**

DWARF FRENCH Double Harmony. Without question one of the very finest Marigolds introduced. Flowers charming and distinct. Scabiosa-like in formation with tubular deep orange center petals flanked by broad velvety dark maroon-brown guard petals. Plants are dwarf, about 1 ft. high, compact, free blooming. Early and attractive for cutting. **Pkt. 10c.**

Dwarf Royal Scot, Alldouble. A new achievement in Marigolds. Its growth is dwarf and bushy, every plant of a uniform shape and height of about 10 to 12 inches. Color is a rich mahogany and gold in uniform stripes. **Pkt. 10c.**

MINIATURE, Yellow Pygmy. Honorable Mention, All-America Selections, 1940. Light lemon yellow. Lilliput French double type, growing only 8 inches tall and compact. Small, 1¼ inches, blooms rather free. Excellent for edging and potting. **Pkt. 10c.**

Spry. Extra dwarf, double French type; compact and uniform, so may be used for edging. About 9 inches tall, early blooming, with very light orange crested center and maroon outer petals. Profuse flowering. **Pkt. 15c.**

SIGNATA PUMILA Little Giant. The smallest of all Marigold plants growing only 6 inches high with golden yellow flowers. **Pkt. 10c.**

PETUNIA (a)

The seed may be started indoors early in the year in seed boxes and later transplanted or sown out of doors in the spring. Cover very lightly and apply water with a fine spray. Be careful not to discard the smaller and weaker seedlings. From these the finest flowers are often obtained, the coarse growing plants frequently reverting to the common types.

PETUNIA HYBRIDA (Single Bedding). 1½ feet. This is a spreading type of Petunia and is used extensively for mass planting and large beds. Very satisfactory for small gardens.

Radiance. Silver Medal, All-America Selections, 1941. A very brilliant and rich rose or cerise color with brown veined yellowish throat. Begins blooming very early and profusely; of uniform height, branching nicely. An outstanding petunia. **Pkt. 25c.**

Elk's Pride. Very large deep purple. **Pkt. 25c.**

Rose King Improved. Special Mention, All-America Selections, 1936. Its flowers are a clear rich rose with a delicate light golden throat. Plants grow 18 inches high, are uniform and bushy, literally covered with blooms. This is an excellent cut flower variety. **Pkt. 10c.**

HYBRIDA NANA COMPACTA. 1 ft. A fine type of Petunia for small beds and borders; often used for pot culture. This Petunia holds its habit very well throughout the blooming season.

DWARF BEDDING, CREAM STAR

Cream Star. Silver Medal, All-America Selections, 1940. Flowers shaped like a five-pointed star; soft creamy white, deepening towards the throat to a bright golden yellow. The entirely distinct color with the uniformity and compact habit of the plants, as well as their profusion of bloom, makes Cream Star Petunia ideally suited for low beds. Plants bloom about 20 weeks after seed is sown. **Pkt. 25c.**

Heavenly Blue (Silver Blue). Enchanting shade of light silvery blue. Dwarf. **Pkt. 10c.**

Rosy Morn. Soft rose-carmine-pink with a white throat. Dwarf and close-growing. **Pkt. 10c.**

Mixed. All colors. A very decorative show may be had by sowing these broadcast. **Pkt. 10c.**

SINGLE BALCONY PETUNIAS

A splendid large and free-flowering type for window boxes, vases, hanging baskets, etc. The flowers average 3 inches across.

Deep Blue. Certificate of Honor, Royal Horticultural Society, 1935. **Pkt. 10c.**

Rose. Rich fiery rose. **Pkt. 10c.**

Black Prince. Velvety red. **Pkt. 10c.**

White. Award of Merit, Royal Horticultural Society, 1935. **Pkt. 10c.**

Mixed Colors. Pkt. 10c.

GRANDIFLORA SINGLE FRINGED

Theodosia. Soft rosy pink with contrasting veined golden yellow throat. An outstanding variety in this class. **Pkt. 25c.**

Super Fluffy Ruffles. A new ruffled and frilled type of Petunia that has the appearance of being almost double Practically 100% true. Flowers are very large with a deep throat. The mixture is well-balanced with shades of pink and white, salmon, salmon-pink, deep rose, rose, crimson, and light blue. **Pkt. 25c.**

RUFFLED GIANTS OF CALIFORNIA

Supreme Strain. A new strain of rose and pink shades. Light richly-veined throats surrounded by satiny petals which are heavily ruffled. Large blooms, 5 to 7 inches in diameter, produced on strong, richly-foliaged plants. Excellent bedding variety; fine window box type. Flowers produced in less than 4 months from time seed is sown. **Pkt. 25c.**

DWARF GIANTS OF CALIFORNIA

A dwarf sturdy growing type especially suited to pot culture. Flowers are beautifully ruffled and fringed with open well marked throats.

Choice Mixed Colors. Pkt. 25c.

DOUBLE VARIETIES

We offer you one of the finest strains of double Petunias in existence. Plan today to buy several packets of these lovely flowers for your garden.

Choice Mixed Colors. Pkt. 50c.

PETUNIA MINIATURE (Dwarf Compact Varieties)

Betsy Ross. The color of Betsy Ross is red and white, with the white blending to golden and the red blending to very deep red in the throat. This color combination creates a decidedly gay effect. Plants uniform and compact, completely covered with well ruffled blooms which have a good open throat. Excellent as a pot plant. **Pkt. 25c.**

Rose Gem. Award of Merit, All-America Selections, 1936. The flowers are a deep rich rose on neat compact plants, 6 inches high. Each flower is 2 inches in diameter. **Pkt. 15c.**

Violet Gem. Honorable Mention, All-America Selections, 1941. A true miniature in every respect. Plants are neat, dwarf and compact. Rich violet blue blooms; clean, dark green foliage. Very free flowering. **Pkt. 15c.**

PETUNIA, THEODOSIA

PIN CUSHION FLOWER, Scabiosa (a)

These beautiful hardy annuals are in great demand. They grow about 2½ feet high and bloom from early in July without interruption until cut down by the frost. As a flower for cutting they are very popular. Seeds should be sown any time in the spring after danger of frost is past.

Salmon Beauty. Pure salmon with huge flowers. Vigorous. The stems are long and stiff, making it a most popular flower for the garden or for cutting. **Pkt. 15c.**

Imperial Giants, Blue Moon. Honorable Mention, All-America Selections, 1939. An entirely different and improved flower and plant from the existing Scabiosa varieties. Fully double, extremely large and deep. Petals broad, heavy, and wavy, entirely eliminating the pincushion center; rich deep lavender blue. Tall growing and very upright with long, wiry, heavy stems in which the weak neck of the older types is completely eliminated. Ideal for cutting. **Pkt. 15c.**

Giant Hybrids, Mixed. Pkt. 10c.

HARDY PERENNIAL VARIETIES

Caucasica. Giant Hybrids (Isaac House Strain). Fringed and ruffled, shades of blue from lavender to dark blue; very large flowers. **Pkt. 15c.**

PHLOX DRUMMONDI (a)

A valuable and showy annual highly esteemed for bedding, for massing and for borders. The plants grow about 1 foot high, thrive in practically any soil if given a sunny location and bloom the entire season. Seed may be started in boxes and transplanted or sown in the open in spring.

Gigantea, Salmon Glory. Silver Medal, All-America Selections, 1939. A good salmon in Phlox Drummondi Gigantea type. The individual florets are gigantic for Phlox, measuring from 1¼ to 1½ inches in diameter. Color a pure salmon pink with a distinct creamy-white eye. One of the most beautiful color combinations ever seen. **Pkt. 15c.**

Gigantea Art Shades. A new strain of annual Phlox with single florets as large as an inch and one-half in diameter. The colors are soft pastel shades, such as apple blossom pink, salmon, light blue, pale violet, etc. **Pkt. 15c.**

Grandiflora. Comes in a grand mixture of fine colors. **Pkt. 10c.**

Gigantea, Rosy Morn. Bronze Medal, All-America Selections, 1941. An extremely refreshing, gay and bright color combination of rose pink with a white eye. A color that will not fade in the strong sun. This new variety possesses the large sized blooms, the free flowering quality and the fine habit of both Gigantea Art Shades and Gigantea Salmon Glory. **Pkt. 15c.**

PORTULACA, Moss Rose (ra)

Brilliant hardy annual, of easy culture; excellent for massing in beds, edging or rock work, thriving best in a light, sandy soil and a sunny situation. Flowers of the brightest colors. Height, 6 to 10 inches.

Double Mixed. Pkt. 10c.
Single Mixed. Pkt. 10c.

POPPIES, Papaver

Poppies have long been favorite garden flowers for their delicacy, as well as the simplicity of the buds and neatness of the foliage. The pure colors and fine texture of the petals make a good showing in the garden. All are easily raised from seed which should be sown where the plants are to remain, later thinning out the plants. In the North, sow in the open ground as early as possible in the spring; in California, sow from October to March.

SHIRLEY (a). The most charming Poppy for the garden. The plants, with their deeply cut foliage, slender, hairy stems and silky petalled blossoms, often fluted, present an airy picture as they nod in the breeze. Height 18 inches.

Sweet Brier (Double Annual Shirley.) Full, double begonia-like flowers of a beautiful deep rose pink. One of the finest strains of double Shirleys for the garden. **Pkt. 15c.**

Queen Mixed. Mixture of the best colors. Full double and semi-double flowers in a great variety of colors. **Pkt. 10c.**

Single American Legion. Dazzling scarlet with white cross at center. Best substitute for the wild Flanders Poppy. **Pkt. 10c.**

Single Wild Rose Pink. Single ghost-type Shirley in a delightful shade of pink. **Pkt. 10c.**

Single Mixed. A superb blend of this beautiful type of Poppy ranging in color from pure white through tones of salmon, pink, and rose to brightest carmine-red. **Pkt. 10c.**

ICELAND POPPY (p) (Nudicaule). A hardy Poppy slightly resembling the Shirley. Somewhat different in habit and contains many shades of yellow and orange. Height, 18 inches.

Gartford Giants. A superb mixture. All colors. **Pkt. 15c.**

ICELAND POPPY, GARTFORD GIANTS

CALIFORNIA POPPY, Eschscholtzia (a)

The state flower of California and one of the most attractive low growing annuals. The foliage is finely cut, fern-like, and silvery green in color. They start to bloom a few weeks after the seed is sown. Height, 12 to 18 inches.

Grandiflora Hybrids. Large flowering varieties in the most exquisite shades of gold, copper, bronze, scarlet, purple and crimson. **Mixed Colors. Pkt. 10c.**

Ramona Hybrids. A new strain containing many lovely shades. The plants grow compact and upright, with flowers beautifully frilled. **Mixed Colors. Pkt. 10c.**

Double Eschscholtzia. The flowers are like little silken flags, beautifully fluted and crinkled, double and semi-double. The colors are yellow, orange, salmon. **Mixed Colors. Pkt. 10c.**

Aurantiaca, Orange. The ordinary California Poppy. **Pkt. 10c.**

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a, annual; b, biennial; c, climber; p, perennial; ra, rock plant annual; rp, rock plant perennial.

ANNUAL AND PERENNIAL FLOWER SEEDS

MEXICAN TULIP POPPY, Hunnemannia (a)

Seed sown early in May will, by the middle of July, produce plants covered with their large buttercup yellow, Poppy-like blossoms, and are never out of flower until hard frost. The plants grow 2 feet high, with beautiful feathery foliage.

Sunlite. Award of Merit, All-America Selections. Semi-double, canary yellow. **Pkt. 10c.**

PINKS, Dianthus (a)

A charming class of annual flowers for beds, borders, edgings, and cutting. The dwarf, rather compact plants average 1 foot in height. Of easiest culture, succeeding in ordinary garden loam. Blooms from July until frosts.

Heddewigii Laciniatus Double Mixed. Superb flowers rivaling the Carnation in size and doubled blossoms. Excellent for bouquets. **Pkt. 10c.**

Heddewigii Single Mixed. Large finely marked flowers having fringed petals. **Pkt. 10c.**

POT MARIGOLD (See Calendula)

RED HOT POKER, Tritoma (p)

A perennial, not strictly hardy, but will live through the winter with a protective covering of leaves or short manure; or the roots may be lifted and carried over winter in sand in a cellar. Height, 4 to 6 feet.
Mixed Hybrids. Pkt. 10c.

SALPIGLOSSIS

SALPIGLOSSIS, Painted Tongue (a)

For delicate grace, richness of coloring, and velvety texture, the regal Salpiglossis has practically no equal. From a low base of leaves rise slender wiry stalks which bear one or more large Lily-like flowers in a magnificent range of colors. Height, 1 to 2½ feet.

Light Blue and Gold. Pkt. 10c.

Rose Crimson and Gold. Pkt. 10c.

Purple and Gold. Pkt. 10c.

Superb Mixed. Pkt. 10c.

SATINFLOWER, Godetia (a)

Very handsome annual plants especially suited for semi-shady locations. Sow in spring in the open and thin to 8 or 10 inches apart. The flowers are bright and colorful and the single sorts are not unlike the Azalea in form.

Tall Double. Long graceful spikes are decorated with double blossoms resembling satin pompons one above another. Height, 2 feet. **Choice Mixed Colors. Pkt. 10c.**

SCHIZANTHUS (See Butterfly Flower)

SNAPDRAGONS

SNAPDRAGON, Antirrhinum (a)

Snapdragons are fascinating flowers, with their interesting form and glowing colors. They are easy to grow and will bloom continuously until severe frost, making a wonderful display and supplying unlimited cut flowers. Ordinary good garden soil will produce fine Snapdragons either in full sun or semi-shaded spots. Sow outdoors when danger of frost has passed, or indoors six weeks earlier.

SUPER GIANTS, RUST RESISTANT

30 to 36 inches tall.

Apple Blossom. Rosy pink, white tube. **Pkt. 15c.**

Campfire. Luminous scarlet. **Pkt. 15c.**

Copper Queen. Bronzy copper. **Pkt. 15c.**

Crimson. Fiery crimson. **Pkt. 15c.**

Paradise Rose. Rose pink. **Pkt. 15c.**

Rosalie. Rich deep rose with underlying tone of topaz or amber. The plants are base branching and produce from 6 to 8 huge long flowering spikes on which the florets are decidedly well arranged. An all-purpose Snapdragon. **Pkt. 15c.**

Swing Time. The loveliest rose pink imaginable with a bright yellow touch and a white tube. Spikes are huge and evenly packed with immense blooms beautifully tapered. **Pkt. 15c.**

Yellow Giant. Deep yellow. **Pkt. 15c.**

Finest Mixed. Pkt. 10c.

STOCKS, Gilliflower (a)

These popular flowers are easily grown, are so highly fragrant, and of such great beauty that they deserve a place in every garden. The Early Giant Imperial class are half-hardy annuals. Beauty Stocks are biennials, but if sown in early spring will bloom the same year. They are also valuable for winter forcing.

Beauty of Nice. It follows the Ten Weeks class in season of bloom. The plants are pyramidal in shape, branching above the base. Excellent for bedding and cutting. Height, 16 inches. **Finest Mixed Colors. Pkt. 10c.**

GIANT IMPERIAL. Long stems and imposing spikes of large flowers make this the outstanding variety. It is about as early as Beauty of Nice and resembles it in habit, except that the plant is less spreading and taller. Height, 2 feet.

Yellow (Buttercup). Pkt. 15c. **Lavender. Pkt. 15c.**
Blood Red. Pkt. 15c. **White. Pkt. 15c.**
Rose. Pkt. 15c. **Finest Mixed Colors. Pkt. 10c.**

VIRGINIA STOCKS, French Forget-Me-Nots (ra)

Small red, rose and white flowers about ¾ inch across. Fine for edgings. For continuous display until fall, several successive sowings should be made about two weeks apart. Height, 6 to 8 inches.
Mixed Colors. Pkt. 10c.

SWEET PEAS

GIANT SUMMER FLOWERING SPENCERS

All Colors: Pkt. 10c; oz. 30c.

PINK AND ROSE SHADES

Rose Pink. Silver Medal, All-America Selections, 1940. Large, wavy, rose-pink flowers on white ground. New type, maturing between the early flowering and the Spencer classes. Is taller and has longer stems than either of the others.

Pinkie. Rose-pink with large and frilled flowers. This variety is seldom affected by weather conditions and first-class blooms can be cut all during its long blossoming period. Silver Medal.

Jack Hobbs. Cream-pink, flushed scarlet. One of the largest Sweet Peas ever introduced. Gold Medal.

Lullaby. Charming shade of light rose pink. A strong grower. Award of Merit, National Sweet Pea Society, 1934.

Miss California. The color is a beautiful shade of rich pink, deeply flushed and shaded with salmon. Unsurpassed for either exhibition or general cutting purposes.

Youth. This Sweet Pea can be described as a white ground Picotee but with slightly deeper color on the edges than its predecessor in this group. Strongly perfumed.

LAVENDER AND BLUE SHADES

Ambition. Rich deep lavender, with a darker shade on the base of the standard and wings when young, lessening as the bloom ages. Gold Medal and Award of Merit.

Powerscourt. A clear pure lavender. Has been considered the best lavender for a number of years. It is still the most popular. The flowers are very pure in color.

The Admiral. Largest and best navy blue. The color is richer and deeper than Fortune. Award of Merit, Scottish National Sweet Pea Trials. Award of Merit.

CHOICE MIXTURE SPENCER SWEET PEAS
This is our special mixture and is a blend of all the most beautiful colors in Spencer Sweet Peas.
Pkt. 10c; oz. 25c.

WHITE AND CREAM SHADES

Sextet Queen. Pure white flowers of perfect form and of great substance. Normally produces five-flowered stems when grown under ordinary conditions. Black seeded. Award of Merit.

What Joy. Primrose, shading to cream. A charming tone and so far the nearest approach to a true yellow.

ORANGE AND SALMON SHADES

George Shawyer. A giant orange pink, the standard showing more orange than the wings. The flowers are perfectly formed and nicely placed. Award of Merit.

Smiles. Clear glistening salmon, best describes this exquisite variety. The large flowers are beautifully waved and fluted.

CERISE SHADES

Mrs. A. Searles. Salmon-cerise, merging into a soft oriental-red. A remarkable and distinct color. No collection is complete without this beautiful Sweet Pea.

Artiste. Clear geranium pink; a rare color. Flowers are large and quite frilled. An outstanding Sweet Pea.

RED SHADES

Red Supreme. Deep crimson; an abundance of flowers on long stems.

Welcome. By far the best and most brilliant, dazzling, scarlet Sweet Pea. For exhibition or gardens it is supreme. Absolutely sunproof. Silver Medal, Scottish National Sweet Pea Society.

MAROON AND PURPLE SHADES

Warrior. Rich chocolate maroon. A magnificent variety which has held its place and popularity for a number of years.

Olympia. Deep rich purple of graceful form and immense size. Gold Medal, Scottish National Sweet Pea Trials.

SUPERB MIXTURE RUFFLED SPENCER SWEET PEAS
A wide range of lovely colors.
Pkt. 15c; oz. 40c.

CULTURE OF SWEET PEAS

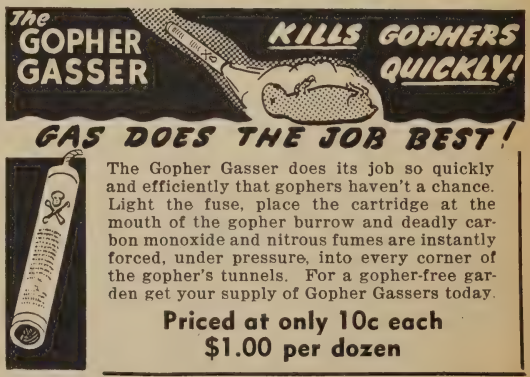
Sweet Peas are deep rooting and heavy feeding plants. We recommend a trench be dug about 18 in. deep and 18 in. wide. In the bottom fork in about 6 in. of well-rotted manure. Fill in with soil in which is mixed a liberal quantity of well-rotted manure.

The actual sowing is done in a shallow trench 6 to 8 inches deep. Cover the seeds with 2 inches of soil and press firmly. The balance is filled in as the plants grow, thus establishing deeper roots than would otherwise be possible. Use one ounce of seed to 20 feet of the row and later thin out so that the plants will be 4 to 5 inches apart.

If flowers are kept picked and seed prevented from forming more and better bloom will be produced. Avoid overhead watering as it causes the flower buds to drop.

Time of Sowing. Spencer varieties may be sown in early October and lightly mulched in winter. Fall sowing gives finer flowers and longer stems and a slightly longer period of bloom. and table use. **Pkt. 5c; oz. 30c; ¼ lb. 90c.**

In California, Early Flowering varieties are sown about August 1 and throughout the winter months. If sown in August they will bloom by November. Keep the surface of the bed cool by using a light mulch.



The Gopher Gasser does its job so quickly and efficiently that gophers haven't a chance. Light the fuse, place the cartridge at the mouth of the gopher burrow and deadly carbon monoxide and nitrous fumes are instantly forced, under pressure, into every corner of the gopher's tunnels. For a gopher-free garden get your supply of Gopher Gassers today.

Priced at only 10c each
$1.00 per dozen

ANNUAL AND PERENNIAL FLOWER SEEDS

EVENING STOCKS

The flowers are small, mauve colored, similar to the Virginia stocks but are delightfully fragrant toward evening. They are especially sweet after a rain.

Matthiola Bicornis. Pkt. 10c.

STRAWFLOWER and IMMORTELLE

HELICHRYSUM. (a) The finest of all Everlastings. They make unusually fine winter bouquets if cut when partially opened and dried slowly in a cool place, heads downward to keep the long stems straight. The centers of the double pompon-like flowers are nearly covered by the stiff overlapping petals. A wide range of brilliant and soft colors. Height, 2 to 3 feet.

Finest Mixed. Pkt. 10c.

SUNFLOWER, CHRYSANTHEMUM FLOWERED

SUNFLOWER, Helianthus (a)

Well known and popular plants, the small flowering sorts being useful for cutting. The tall varieties are valuable for backgrounds.

Chrysanthemum Flowered. Large, densely double golden flowers. Fine, long stout stems for cutting. Height, 6 feet. **Pkt. 10c.**

Cut-and-Come-Again Mixed. Single golden yellow flowers with petals twisted like a Cactus Dahlia. (Small flowered sort.) **Pkt. 10c.**

Red Sunflower. Tall single flowered variety with bright red blossoms. **Pkt. 10c.**

SWEET SULTAN, Centaurea (a)

These beautiful long stemmed flowers with their soft velvety heads make very enchanting bouquets. They measure 2 to 2½ inches across while the entire plant stands about 2½ to 3 feet tall. You can grow them readily in any fair garden soil, and your friends are sure to admire them.

Mixed. Pkt. 10c.

VERBENA (a)

One of the most popular garden annuals for beds and massing and for a gorgeous display during the summer months. Cannot be excelled, commencing to flower in July and continuing until frost. Height, 6 to 8 inches.

Spectrum Red. The brightest Verbena in existence. The huge flowers are an intense bright red, and having no eye, the color is intensified and its brilliance is quite dazzling. **Pkt. 15c.**

Brilliant. The color of this beautiful Verbena is a rich, deep flame rose, with a medium sized white eye. This is one of the richest colors ever introduced. **Pkt. 15c.**

Floradale Beauty. Special Mention, All-America Selections, 1937. A giant hybrid, the flowers varying from bright rose-pink to deep rose-red of exceptional brightness. Individual florets of perfect form, fully rounded, and average 1¼ inches across; heads or trusses 4 to 5 inches across. **Pkt. 15c.**

Hybrid Grandiflora Giant, Mixed Shades. Pkt. 10c.

SINGLE ANNUAL SWEET WILLIAM

SWEET WILLIAM, Dianthus Barbatus (b)

A well known, attractive, free-flowering hardy biennial, producing a splendid effect in beds and borders with their rich and varied flowers. Height, 10 to 20 inches.

Single Varieties, Mixed. Pkt. 10c.

Double Varieties, Mixed. Pkt. 10c.

VIOLA, Tufted Pansies (a)

Waller Franklin Formula Mixture. This blend of bright gay colors far surpasses any mixture of Violas we have seen. Bright shades of self colors of red, yellow, blue, and apricot combined with many shades which are blotched, undoubtedly make these Violas a supreme mixture. **Pkt. 25c.**

WALLFLOWER, Cheiranthus

ENGLISH WALLFLOWER (Cheiri). (b) These half-hardy perennial and annual Wallflowers are grown for early spring bedding and for their delightful fragrance. Perennial sorts should be sown in autumn and carried over in coldframe. Annual sorts may be sown outdoors in March and will flower the first year. Height, 2 to 3 feet. **Pkt. 10c.**

Siberian Wallflower (Cheiranthus Allioni). (b) This unusual little plant deserves a place in your rock garden or low border. Upright spikes bear numerous four-petaled flowers of dazzling rich orange. Flowers the first season from seed and when established will bloom all summer. Height, 1 foot. **Pkt. 10c.**

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a, annual; b, biennial; c, climber; p, perennial; ra, rock plant annual; rp, rock plant perennial.

ZINNIA, CROWN O' GOLD, PASTEL TINTS

ZINNIA (a)

One of the most showy and satisfactory of our hardy annuals for beds, mixed borders and for cutting purposes. Easy to grow in any good garden soil. They commence flowering early in the summer and continue until frost.

DOUBLE DAHLIA FLOWERED. 2½ feet. Enormous double flowers are produced by robust branching plants. The flowers usually have slightly hollowed centers ringed with small tubular florets. The petals are quite loosely placed and tend to curl at the edges, giving the blossoms a crisp, fresh appearance.

Crimson Monarch. Deep crimson, large flowers. **Pkt. 10c.**

Dream. Deep rosy lavender. **Pkt. 10c.**

Exquisite. Light rose, deep rose centers. **Pkt. 10c.**

Golden Dawn. Golden yellow. **Pkt. 10c.**

Illumination. Deep self rose. **Pkt. 10c.**

Oriole. Orange and gold bicolor. **Pkt. 10c.**

Polar Bear. White. **Pkt. 10c.**

Scarlet Flame. Bright scarlet. **Pkt. 10c.**

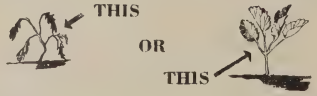
Mixed. Pkt. 10c.

CALIFORNIA GIANTS. This variety is taller than the Dahlia flowered type, 3 to 4 feet high, with long stems which make the flowers fine for bouquets. The blooms are large and flat and very graceful for their size.

Finest Mixed Shades. Pkt. 10c.

SUPER CROWN OF GOLD, Pastel Tints. The finest large-flowered Zinnia, with large well formed flowers. Contains a wide range of pastel shades, including soft yellow, old gold, light pink, various shades of salmon, peach, and buff, cerise salmon, white, and cream, each petal overlaid at the base with deep golden yellow. Flowers are borne profusely throughout the season on strong, robust plants. Mixed shades. **Pkt. 15c.**

WHICH DO YOU WANT ?



The hormones and vitamins (B, and others) found together only in

TRANSPLANTONE

THE HORMONE-VITAMIN POWDER

Stop the shock and wilt usually inevitable after transplanting all kinds of plants. . . . Simple, Safe, Economical to use.

½ oz. packet 25c, 1 oz. can 50c, 3 oz. can $1.00, 1 lb. can $4.00.

HOWARD'S GIANT CRESTED. Huge blossoms from 4 to 5 inches in diameter, with a full rounded cushiony center surrounded by broad guard petals. The colors included in this strain are charmingly bright and fresh, and contain almost all known shades of colors. Magnificent shades of orange, orange-scarlet, yellow, rose, maize and crimson predominate.

Finest Mixed. Pkt. 25c.

FANTASY. A new Zinnia type. Shaggy, medium-sized flowers on plants 2½ to 3 feet high. Free blooming. Excellent for cut flowers.

Star Dust. Silver Medal, All-America Selections, 1937. The lovely golden yellow variety in the popular Fantasy type Zinnias. Informal, shaggy-petaled, medium-sized flowers on plants 2½ to 3 feet in height; stems of good length for cutting. Plants are free blooming and make a fine show of color in the garden. **Pkt. 15c.**

Wildfire. A rich, dazzling scarlet. Wildfire adds a distinct note of color and cheerfulness to the garden and will enliven any home when used in flower arrangements. Plants neat in habit, strong growing, and very free blooming; 2½ to 3 feet in height; coming into flower 45 to 50 days after seed is sown. **Pkt. 25c.**

FANTASY WILDFIRE

DOUBLE LILLIPUT. 12 inches. A charming dwarf which is excellent for low borders or edgings. The plants are of tidy habit and produce a bounteous supply of very double pompon flowers about 1½ inches across. The colors are bright.

Mixed. Pkt. 10c.

TOM THUMB. These tiny flowered Zinnias have a charm the larger ones can never attain, and make a brilliant display. They come in attractive color combinations, red tipped gold, salmon and gold, with a hundred intermediate shades. 6 inches.

All Colors Mixed. Pkt. 10c.

HAAGEANA DOUBLE (Mexican Hybrids). The small flowered Mexican Zinnias have a charm all their own. The smaller flowers lend themselves to bedding and make a brilliant display and yet have stems long enough to make fine bouquets for small vases and bowls.

Finest Mixed. Pkt. 10c.

LINEARIS. This little dwarf variety of Zinnia is most unusual and interesting. The flowers are single and of a lovely shade of golden orange, with a delicate lemon yellow stripe through each petal, while the center is dark brown in the young flowers, turning golden orange as the flower develops. Blooms are produced in great profusion. Height, 8 to 10 inches. **Pkt. 10c.**

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a, annual; b, biennial; c, climber; p, perennial; ra, rock plant annual; rp, rock plant perennial.

GLADIOLUS

6 for 25c, dozen 45c.

Albatros (Pf.) Unquestionably the clearest white gladiolus ever introduced. Grows 5 ft. tall, has good substance and opens five or six large blooms at a time.

Betty Nuthall (Sal.) A glowing orange pink, with a light yellow throat, and a light feathering of carmine. The florets are often 6 inches across and are of splendid substance and placement.

Bleeding Heart (Brown). White tinted light pink with large red blotch. Tall, straight spike with 8 or 10 large perfectly placed blooms open.

Bonneville (Ellis). Very vigorous, deep salmon pink. An excellent cut flower and one of the very best keepers in hot weather.

Charles Dickens (Pf.) A beautiful purple violet. Long spikes with 10 to 12 florets open at one time. Extra strong propagator.

Debonair. LaFrance pink shading to shrimp pink with a creamy throat blotch lightly peppered crimson.

Dr. F. E. Bennett (D). The popular, well known fiery red. One of the most brilliant scarlets grown. Fine large flower.

King Arthur (Arenius). One of the most unusual Glads in existence. Beautiful and immense heavily ruffled rosy lavender blooms of a distinct form and shade.

Picardy (Palmer). Color, soft apricot pink with a silvery sheen, feathering of slightly deeper color in the throat. The individual florets are extremely large, slightly ruffled and of a heavy waxlike substance.

Red Lory (Errey). Very tall rose red exhibition flower with twelve to 15 large, well faced blooms open at once. Popular.

OUR SUPREME MIXTURE

We offer a fine selection of unnamed varieties in different colors. These bulbs will produce an interesting display of Glads in your garden.

Doz. 25c; 100, $1.75, not postpaid.

4 for 25c, dozen 65c.

Commander Koehl (Pf.) Large dark scarlet red, without markings or blotches. Individual florets 6½ inches across, of which there are six or seven open at a time.

Dream o'Beauty (Zimmer). Large rose red. A good color and strong grower. Two rows of blooms.

Gate of Heaven. Beautiful deep yellow with greenish yellow buds. Medium height. A delightful glad.

Golden Chimes. A compact, slightly ruffled light yellow of good size and clear color. A favorite that should be in every garden.

Milford (Rides). One of the finest light blues. Tall, with seven or more large blooms open at a time.

Minuet (Coleman). Wonderful clear lavender. A lavender by which all others are judged. Six or seven wide open florets open at a time. Arranged perfectly on straight spike.

Pelegrina. The large deep blue flowers have a strong appeal due to their color and fine arrangement of the florets.

Red Phipps (Briggs-Long). Brilliant light scarlet. Splendid cut flower as color is excellent for indoor use. Also a good commercial variety.

Rosemarie Pfitzer (Pf.) A favorite exhibition variety. Good spikes with 8 or 9 large florets open at a time. Color is a cream white often flecked or shaded with pink.

DIAMOND QUALITY CRUDE

NAPHTHALENE FLAKES

Protect your garden against such soil pests as gophers, slugs, maggots, wire worms, snails, moles and other pests with . . . Diamond Quality Naphthalene Flakes

Use for Storing Glads

DIRECTIONS ON PACKAGE

Packed 1½ lb., 4 lb. packages, and 50 lb. sacks.

Work it into the soil before planting.

ROSEMARIE PFITZER

Wurtembergia. Immense fiery scarlet with cream white throat. Spikes very tall and always straight. The most brilliant red.

3 for 25c, dozen 80c.

J. S. Bach (Pf.) Salmon with white midrib. A wonderful exhibition variety with as many as eight florets open on tall spikes. One of the largest of the early blooming Gladiolus. Good propagator.

La Fiesta (Salbach). Fine, long tapering spikes of rich orange blooms. Up to ten good sized well faced florets open at a time. Good propagator.

Shirley Temple (Pruitt). Creamy-white with a darker throat. Individual florets over 6 inches across, with 6 or 7 open. Splendid grower.

Vagabond Prince (Palmer). Iridescent garnet-brown, lighter in upper throat and small blotch of glowing scarlet-red on lip petal. 8 to 10 open on tall straight spike. Prolific.

Each 10c, dozen $1.00.

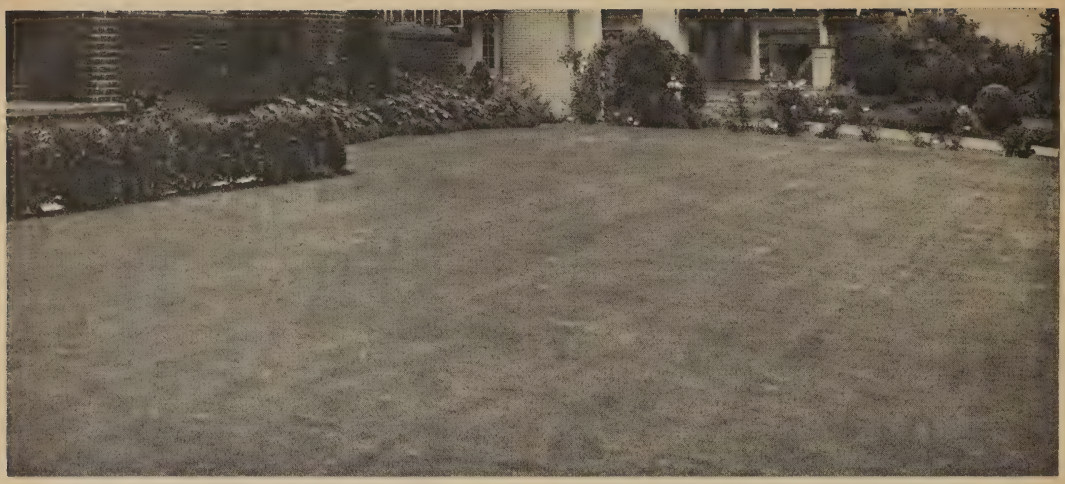
Beacon (Palmer). Clear bright rose-scarlet with a large cream blotch; medium large, slightly ruffled, 8 to 10 open on a very tall straight spike.

Moorish King (Pf.) Extremely large and the most beautiful deep velvety red individual flower ever seen in this color. Flowers are unusually well placed. Blooms late.

Rima (Mitsch). Beautiful lilac-pink with cream throat. The individual florets are large and well faced on long spikes with up to seven open. One of the most beautiful glads of recent introduction.

Snowprincess (Pfitzer). One of the very finest of the creamy whites. Has long spikes with about six large, well arranged florets open at once. Good propagator.

Zuni (Mitsch). A combination of salmon, slate and purple. Indescribable and striking. If you like smokies, by all means add this variety to your collection.



LAWN GRASS SEED

Our Special Bent Lawn Mixture

The Best All-Purpose Lawn Grass Seed. Price, lb. 65c.

A wonderful mixture that is the result of years of experimenting. It is especially prepared by us from the highest quality seeds that can be produced. It makes a smooth, green, velvety lawn with a thick bottom, free from common grasses which are inclined to produce clumps or knots. Only the very finest varieties of the most suitable grasses for making an even, thick mass of grass are used in this mixture. The various grasses composing this well-balanced blend are fine-bladed and deep rooting, sure to produce the best results under average conditions of soil and climate. It is all plump, heavy seed free from chaff or weed seeds. Sow 1 pound for a plot 10 by 20 ft. (200 sq. ft.); 100 to 150 lbs. of seed are required to sow one acre.

ENQUIRE FOR PRICES ON LAWN SEEDS LISTED BELOW

Astoria Bent. This strain of Bent differs from the Seaside variety in that it does not send out stolons, but that it spreads underground, sending up many rootstalks that produce a splendid turf. The growth is upright, of fine texture and is a richer green than Seaside Bent. It is more practical for lawns and succeeds best in heavy soils. Sow 1 pound to 200 square feet.

Seaside Creeping Bent. Coos County strain, is the true creeping bent. The plant is dwarf and it multiplies rapidly by sending out runners in all directions; from these, new plants are produced, and these in turn grow more runners. The turf becomes matted, and if damaged it heals over promptly. Sow 1 pound to 200 square feet.

Chewing Fescue. Used extensively on putting greens, fairways and tees on golf courses, and does well on any kind of soil. It also produces a stiff, upright plant. Sow 1 pound to 150 square feet.

Creeping or Red Fescue. Fine, round bladed grass, excellent for lawns. Slightly reddish at base. Fine for shade. Hardy.

Kentucky Blue Grass. Makes an excellent lawn of a dark green color. It forms a fine mat, with care and water makes one of the best lawns. Sow 1 pound to 200 square feet.

Shady Blue Grass (Poa Trivialis). An ideal perennial grass for shady spots which is closely related to Kentucky Blue Grass, but somewhat finer and softer in texture. It is a creeper with an apple-green color. Requires plenty of water. Sow 1 pound to 200 square feet.

Shady Lawn Mixture. This grass is especially adapted for growing in very shady places or near buildings where other grasses will not grow. If you have a shady, barren place, try our Shady Lawn Mixture. Sow 1 pound to 200 square feet.

White Dwarf Clover. Very low growing sort, principally used in poor ground to give a green cover, many like it in lawns, especially where grass does not do well. Sow 1 pound to 300 square feet.

Rye Grass. A rapid growing grass where quick results are required. It is coarser than Kentucky Blue Grass and thrives in poor soil. It is used as a "nurse" crop in mixture to keep the lawn green while the better, slow-growing varieties are becoming established. Sow 1 pound to 150 square feet.

Red Top. A fine-bladed grass that succeeds on almost any soil, although it does best under moist conditions. It is used in almost all lawn mixtures. Should not be planted by itself unless specifically recommended. Sow 1 pound to 200 square feet.

HOW TO HAVE A GOOD LAWN

Spade the ground as deep as possible and turn several times to see that it is thoroughly pulverized. Work in a good commercial fertilizer. Sheep guano or peat moss will add humus and improve the seed bed. Rake level and water thoroughly so the ground will settle. The seed bed should be allowed to stand for about two weeks, watering from time to time so the weed seeds will sprout.

Roll the ground before seeding, to prevent it from settling unevenly, and then rake the surface lightly. Sow the seed so as to cover the ground thoroughly, and then cover it lightly with soil. Roll again so as to press the seed in firmly. If you have no roller, use boards and tramp on them so as to pack the ground firmly, but a roller is preferred.

Grass seed will germinate in from 8 to 15 days, according to the weather. If a lawn is made during the summer, the ground should be covered lightly with peat after the seed has been rolled, so as to retain the moisture. New lawns should not be allowed to dry out, not even for a half day. For the first 15 days the lawn should be watered twice a day if necessary. A lawn should be fertilized after the first cutting, and at least twice a year. Water well after applying.

WARNING: Do not use the so-called rotted manure which is being sold to inexperienced gardeners. It is full of wild clover and other weed seeds and pests. It is expensive when you take into consideration that a few pounds of good fertilizer is equal to a sack of manure. If you want a moisture-holding material for top-dressing use peat; it is **clean.**

YOU CANNOT HAVE A GOOD LAWN WITHOUT GOOD SEED AND THE RIGHT FERTILIZER.
WRITE FOR PRICES ON ABOVE

Superior Garden Vegetables for 1942

These Vegetables of Outstanding Merit Deserve a Place In Your Garden

Asparagus, Paradise. New, early maturing variety with pleasant, milder flavor than other varieties and a prime favorite with everyone who has tasted it. Straight, large, crisp tender stalks. Fine, strong grower and highly resistant to rust. **Pkt. 15c; oz. 45c.**

Burpee's Rhubarb Chard. A new Swiss Chard that looks like Rhubarb. The leaf stalks are bright but delicate, translucent crimson; the rich color extends out through the veins into the dark green, heavily crumpled leaves. Different, tasty, delicious flavor. Easily grown, thrives everywhere. **Pkt. 15c.**

Lima Bean, Improved Bush. Mature in 75 days. Truly a wonderful bush lima. The plants grow about 18 inches high, require no support and produce large crops of excellent lima beans. The pods, easy to shell, are about five inches long, and one inch wide, and contain 4 to 5 large, fine quality beans. **Pkt. 10c; lb. 30c.**

Carrot, Tough Top Nantes. Excellent for forcing as well as home and market gardens. Tops small, roots bright orange, cylindrical, blunt ended. Flesh reddish orange, crisp, tender and very delicate flavor. Practically coreless. Length of roots, 6 in., shoulders 1¼ in. **Pkt. 10c.**

Golden Utah Celery. A light yellow-green selection of the original "Utah". Has superb quality and size of original, plus easier bleaching quality and more attractive sales appearance. Certainly an outstanding celery that merits your confidence. **Pkt. 10c; oz. 75c.**

Corn, Golden Bantam Improved. A selection from the original strain of Golden Bantam. Larger ears, more rows of kernels, greater production. Golden yellow deep, wide, tender kernels with a fine sweet flavor. Particularly desirable for canners and market gardeners. Remains in table condition a long time. **Pkt. 10c; ½ lb. 15c.**

Colorado Cucumber. An attractive variety for market gardens and for shipping. Fruit very dark green, cylindrical, round with a small seed pocket. Unusually free of striping at the blossom end. **Pkt. 10c; oz. 20c.**

Lettuce, New York No. 12. Mature in 85 days. An improved variety which can be depended upon to produce large solid heads. It is adapted to mid-season culture as it stands heat well. Color a fine dark green, leaves somewhat curly. The heads are very solid, tightly folded and blanched to a silvery white. **Pkt. 5c; oz. 30c.**

Muskmelon, Hale's Best Improved No. 36. Fruits slightly oval, weight 3 to 4 pounds. Flesh exceptionally thick, deep salmon in color, sweet, aromatic and of very fine quality. Uniform in shape. **Pkt. 5c; oz. 15c.**

Onion, Riverside Sweet Spanish. A large, globe shaped brown onion, weighing 1 to 3 pounds. Small tops. Flesh mild and sweet. Good for slicing. Most popular marketing onion. **Pkt. 10c.**

Laxton Progress Peas. One of the earliest large-podded quality peas and certainly the best for general use. Vines medium dwarf, being about 18 inches high. Pods dark green, 4-5 inches long, plump and pointed. Its excellent quality together with its other good points makes this the No. 1 garden pea. **Pkt. 10c; ½ lb. 15c; lb. 25c.**

Squash, Early Prolific Straightneck. Straight, smooth fruits; delicate creamy color. Vines produce abundantly. Peak of perfection in summer squash. **Pkt. 5c; oz. 15c.**

Tomato, Improved Stone. One of the best varieties of Tomato for garden and market garden use. We recommend this for table use and canning. The vigorous vines bear quantities of fruit which are large, flattened but deep, smooth, and of fine flavor. An attractive scarlet-red. **Pkt. 5c; oz. 35c.**

COLORADO CUCUMBER

PARADISE ASPARAGUS

MUSKMELON, HALE'S BEST IMPROVED NO. 36

GOLDEN UTAH CELERY

VEGETABLE SEEDS

ASPARAGUS

1 oz. to 100 ft., 4 lbs. per acre.

When starting an asparagus bed from seed it is advisable to soak the seed for 24 hours before planting. This makes germination more rapid and certain. Sow in spring in rows about 18 inches apart, allowing 15 to 20 seeds to the foot. Cover 2 inches deep. When plants are well established, thin to about an inch apart. Hoe frequently during the summer. The plants will be ready to set in a permanent bed the following spring.

Mary Washington. A strain selected from Martha Washington. It is a little earlier and more vigorous than the original. The shoots are slightly ovoid in shape, firm and tender and richly flavored. **Pkt. 10c; oz. 15c.**

BEANS

Dwarf beans, 1 lb. to 100 ft., 50 to 60 lbs. per acre.
Pole beans, 1 lb. to 100 ft., 30 to 35 lbs. per acre.
Lima beans, 1 lb. to 100 ft., 30 to 50 lbs. per acre.

Plant beans after all danger of frost is past, in warm, dry, well prepared soil. The rows should be 2 to 3 feet apart and the seeds covered 1½ to 2 inches deep. Thin the young plants to 3 to 6 inches apart in the rows.

Shallow cultivation should be frequent until blossoming; then stop to avoid injury to the roots. Root injury causes the blossoms to fall off. For succession, plant every two weeks until midsummer. Frequent picking of the crop insures long bearing.

Bush, Green Pod

Prices: Pkt. 10c; ½ lb. 20c; 1 lb. 35c.

Improved Stringless Green Pod. High quality for home and market garden. Plant large, thrifty, heavily productive. Pods medium green, 5½ inches long, almost ½ inch wide and equally thick. Very fleshy, strictly stringless, fine grained, tender. Seeds coffee brown. 53 days.

Tendergreen or Improved Stringless Refugee. This is a new bush bean of utmost value. The plants make a strong and vigorous growth. They are well branched and carry a great quantity of beautiful light green beans. The pods grow 6 to 7 inches long. They are round, extremely meaty, and tender. Even when fully grown they are absolutely stringless. Ripen in 54 days.

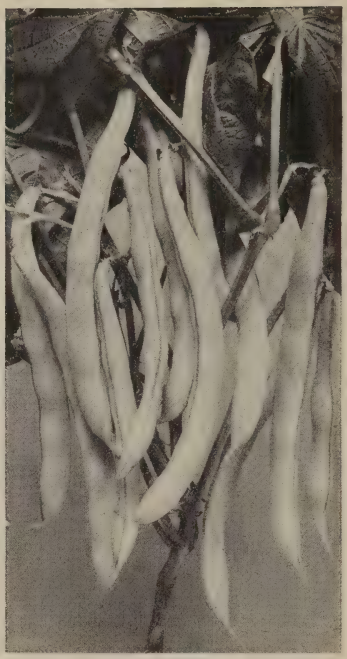
Dwarf Horticultural. Particularly desirable green shell and snap sort for home and market garden. Plant medium small, thrifty and productive. Pods dark green at snap stage (53 days) becoming greenish yellow splashed with carmine. 5 to 5½ inches long. Strictly stringless, slightly fibrous. Seeds plump oval, pinkish buff, spotted and streaked with purplish red. Shell beans in 60 days.

Early Marrow Pea or White Navy. (The common white pea bean of commerce.) Ripe in 90 to 100 days. Plant large with tendency to form runners. Hardy, very prolific; ripens uniformly. Pods 4 inches long. Dry beans small, white.

Bush, Wax Pod

Prices: Pkt. 10c; ½ lb. 15c; 1 lb. 25c.
Average maturity 52 days from seed.

Top Notch Golden Wax. New blight resistant. A splendid home garden and canning variety. Plant small, productive. Pods very attractive; golden yellow; 4½ to 5 inches long, ½ inch wide, thick, oval; fleshy, brittle, stringless. Seeds white, splashed with violet carmine and purple.



TOP NOTCH GOLDEN WAX

Davis White Wax is a vigorous grower producing long straight wax-white pods carried well up from the ground. Excellent shipping beans. Pods uniform, about 6 inches long, flat, and tender. Not stringless. Seed white, kidney shaped. Used some for dry beans.

Pencil Pod Black Wax. Very desirable for home and market garden and for truckers. Plant large and thrifty. Heavily productive over long period. Pods handsome bright yellow. 5½ to 6 inches long, ⅜ inch thick, cylindrical; very fleshy, stringless, brittle, fine grained, and tender. Quality unexcelled. Seeds black.

Round Pod Kidney Wax. (Brittle Wax.) Valuable for home garden and canning. Plants are erect, medium large, prolific. Handsome pods of waxy light yellow, 5½ to 6 inches long, thick and round. Very fleshy, brittle, strictly stringless and without fibre. Seeds white with brownish-black eye.

Pole Beans

Prices: Pkt. 10c; ½ lb. 20c; 1 lb. 35c.
Mature in 75-80 days.

Blue Lake or White Creaseback. Splendid snap bean for home garden and early market. Good climber, heavily productive. Pods light green, 5½ inches long, ½ inch wide, almost as thick; nearly stringless, very fleshy, brittle, tender. Seeds white; excellent for baking.

Kentucky Wonder. This most popular of all pole beans should be in every garden. The dark green pods are round and long, measuring 9 to 10 inches; they are always stringless as snaps, and never become tough. Seeds light brown colored.

Kentucky Wonder Wax. An early and hardy bean somewhat resembling the Kentucky Wonder except in color of pods which are light yellow and broader. If a wax podded bean is desired for home or market this is the one best variety to plant. Seed oval, flattened, somewhat shriveled, dark brown.

Oregon Giant. We highly recommend this variety to home gardeners. It keeps producing until killed by frost. Large, fleshy pods, 10 to 12 inches in length, stringless, light greenish yellow, splashed with red. A very tasty bean that requires very little care. **Pkt. 10c; ½ lb. 25c; 1 lb. 40c.**

Oregon Pole Lima. Proven over many years to be well adapted to our cool Northwest climate. A strong, vigorous grower, bearing continuously until frost. Pods are at their best when turning yellow.

THE FAMILY WILL ENJOY THE NEW LIMA BEANS.

Scarlet Runner. About in season with pole limas. Good climber. Flowers scarlet, decorative. Pods dark green; 6 inches long; flat oval. Fleshy; desirable for snaps and green shell beans. Seeds kidney shaped, flat; dark purple, spotted with reddish buff. **Pkt. 10c; ½ lb. 25c; 1 lb. 40c.**

Tall Horticultural. The pods when young are of excellent quality and make fine snapshorts. They measure 5 to 6 inches long and are stringless. The dried beans are grown extensively for winter use. They are large, of a light fawn color speckled with dull red. Highly recommended as a baking bean.

Lima Beans, Dwarf

Baby Potato. All-America Silver Medal Winner for 1940. Prolific; excellent flavor. Good for produce markets as well as canning and quick freezing. Seeds, small and thick, of bright green color when fresh, and similar in flavor to Fordhook. **Pkt. 10c; 1 lb. 30c.**

Fordhook. Mature in 75 days. A bush lima of the Potato type, strong, erect, never climbing or prostrate. The pods, which average five inches by an inch and one quarter, are borne in clusters of 4 to 8. The pods average 4 large plump beans which remain green a long time. A very popular variety. The taste is very much like chestnuts. **Pkt. 10c; lb. 30c.**

Burpee's Improved Bush. Plants large, heavily productive. Pods large, 4½ to 5 inches long. Usually contains 4 large, thick beans. Dry beans large, flat, greenish white. Mature in 75 days. **Pkt. 10c; 1 lb. 30c.**

PARCEL POST SHIPMENTS

We pay postage on all flower and vegetable seeds except **Peas, Beans and Corn.**

PARCEL POST RATES

Wt. in lbs.	Up to 150 miles	150 to 300 miles	300 to 600 miles
1	.08	.09	.10
2	.10	.11	.14
3	.11	.13	.17
4	.12	.15	.21
5	.13	.17	.24
10	.18	.27	.42

Add 5c to insure safe delivery.

BEET

1 oz. to 100 ft., 8 to 14 lbs. per acre.

Seed should be sown at the rate of 1 ounce to 100 feet of row. The rows should be spaced 14 to 24 inches apart. Work the soil well and cover the seeds about an inch deep. A rich sandy loam is most favorable, but nearly all types of soil will produce beets if sufficiently fertilized and properly tilled. All varieties of beets sell for: **Pkt. 10c; 1 oz. 25c.**

Detroit Dark Red. The standard of excellence in table beets for home and market garden, for shipping, and for canning. Tops uniform, small, slender, erect. Roots globe shaped; symmetrical, with small collar and small tap-root. Very dark blood red. Mature in 52 to 55 days.

Early Wonder. Very desirable for home and market garden. Tops small. Root flattened globe shape with small collar and tap-root. Dark purplish red. Flesh deep purplish red zoned a lighter shade. Mature in 50 to 55 days.

Extra Early Flat Egyptian. Best for forcing and particularly valuable for early market. Tops small and upright. Roots flattened, with long slender tap-roots. Flesh dark purplish red zoned lighter. Ready in 50 days.

SWISS CHARD

1 oz. to 100 ft., 6 to 10 lbs. per acre.

Only the tops of this beet are used, like spinach, and the succulent stalks and midribs may be prepared in the same way as asparagus. The plants are cultivated like beets except that they should be thinned to 8 or 10 in. apart. **Pkt. 5c; 1 oz. 20c.**

Lucullus, Dark Green. The fleshy crumpled leaves of this variety make very choice greens. Plant erect; stalks rounded and finely ribbed. Foliage a rich deep green.

MANGEL WURZEL

1 oz. to 100 ft., 6 to 10 lbs. per acre.

Valuable as stock feed. Plant early in the spring in rows 2½ feet apart. The seeds should be 1 inch apart in the row and covered by 1½ inches of soil firmly pressed down. Cultivate frequently. When the plants are 3 inches high, begin to thin until the roots are 10 inches apart. All varieties of mangels: **1 oz. 15c; ¼ lb. 45c; 1 lb. $1.35.**

Danish Sludstrup. Very high yielder. Roots long oval, orange colored; flesh white with faint yellow tinge.

Giant Half Sugar. This variety is one of the favorites among the dairymen and hog raisers. It is very sweet and nutritious, as it has a larger sugar content that the ordinary mangel.

Golden Tankard. Heavy cropper; easily harvested. Roots large; thick oval, nearly cylindrical; light gray above, deep orange below ground. Flesh yellow with white zones.

Klein Wanzleben. The most desirable beet for sugar manufacture. Valuable for stock feeding. Roots medium large, 12 to 15 inches long, 3½ to 4 inches at shoulder, tapered; white, with a tinge of gray; very rich in sugar content. Good keeper.

Mammoth Long Red. Superior to strains offered as Norbiton Giant, Colossal, Monarch, etc. Roots very large; long spindle shape, straight and thick; grow one-third to one-half out of ground. Light red; flesh white tinged with rose.

BROCCOLI

½ oz. to 100 ft., 4 oz. per acre.

This is similar to cauliflower in color, character of foliage, form, and size of heads. It requires a long growing season and is especially suited to Pacific Coast states. **Pkt. 10c; 1 oz. $1.25.**

Italian Green Sprouting. This vigorous plant is entirely different from the white heading sorts. Cultivated like cabbage, it bears a succession of sprouting heads which, if kept cut, will be replaced by others for 8 to 10 weeks. Each sprout, about 5 inches long, ends in a small head of deep green buds. It is one of the most delicious green vegetables.

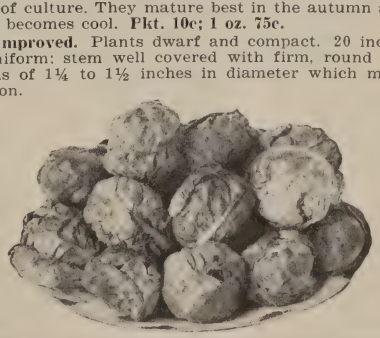
St. Valentine. Standard market variety for March shipment. Plants large. Heads large, solid, white, and very well protected.

BRUSSELS SPROUTS

½ oz. to 100 ft., 4 oz. per acre.

Small shoots like miniature cabbages clustered around a stem are the valuable part of this unique member of the cabbage family. They are successfully grown wherever conditions are favorable for late cabbage and require the same method of culture. They mature best in the autumn after the weather becomes cool. **Pkt. 10c; 1 oz. 75c.**

Dwarf Improved. Plants dwarf and compact. 20 inches tall. Very uniform; stem well covered with firm, round cabbage-like balls of 1¼ to 1½ inches in diameter which mature in succession.



CABBAGE

½ oz. to 100 ft., 4 oz. per acre.

For plants of early kinds, sow seed in January under glass, and put out into flat about 2 inches apart. Transplant to open ground as early in the spring as the soil can be prepared, setting 1½ to 2 feet apart, in rows, which should be 3 feet apart. Cultivate frequently, and during dry weather water copiously. Late cabbage seed should be sown in drills in open ground during April and May, and transplanted in June or July. Fertilize heavily, using 400 pounds nitrate of soda per acre in three dressings, one-third when plants are set out, and two-thirds a month apart later. **Pkt. 10c; 1 oz. 50c.**

EARLY VARIETIES

Mature between 60-65 days.

Copenhagen Market. Distinctly and uniformly early. Splendid for early market and shipment; proving valuable as early kraut variety. Plants small, compact, allowing very close planting. Stem short; heads uniformly round; firm; become 6 to 7 inches in diameter. Weight, 3½ to 4 pounds. Interior clear white and of excellent quality. Mature in 66 days.

Early Jersey Wakefield. Extremely early variety, very valuable for home and market garden as well as for shipment. Plants very small and compact, allowing close planting; stem short. Heads firm and conical; usually 7 inches long, 5 inches thick near base; weight, 2 to 2¼ pounds.

Golden Acre. The earliest round headed cabbage; especially valuable for early market and shipping. Plants very small and compact; stem short. Heads uniformly round; firm, commonly 6 inches in diameter and weigh 3 pounds.

LATE VARIETIES

Mature in 90 to 100 days.

Danish Ball Head. With the exception of Hollander, this is the best late cabbage. The plants are medium sized with short stem. Heads large; flattened globe shape; becomes 8 to 9 inches across, 6 to 7 inches deep, and weigh 7 to 9 pounds. Very firm and solid; of excellent quality; keep perfectly in storage until late spring.

Late Flat Dutch. The best very large, late cabbage. Popular for home and market garden. A good keeper. Heads very large and flat, but deep; become 12 to 14 inches across, 7 inches deep, and weigh 12 to 14 pounds or more; firm and of good quality.

Mammoth Red Rock. A sure cropper and used very extensively for pickling. The solid heads are borne on medium-length stems and are red throughout. Perfectly round, solid as a rock, and quite large. Often weighing 6 to 8 pounds each. The latest of the red cabbages.

Savoy. Enjoys great popularity on account of its tasty flavor which is sweeter and more delicate than that of ordinary cabbage. The large round heads are somewhat flattened and very heavy. The deep green, crinkled outer leaves enclose the tender, light green heart. It matures late in the fall and will keep all winter.

CHINESE CABBAGE

Chinese Improved or Wong Bok. This exceptionally fine vegetable is rapidly growing in public favor. Its growth, which resembles the Cos lettuce, has long heads and crisp leaves. Very mild and pleasant flavor served as a salad or cooked. **Pkt. 10c; 1 oz. 50c.**

CARROTS

½ oz. to 100 ft., 3 to 4 lbs. per acre.

Sow seed in light sandy soil, from April to July, in drills 1½ feet apart, covering the seed ½ inch deep. Thin out the young plants from 3 to 5 inches apart, according to size of variety. Cultivate freely and do not allow the soil to get too dry during hot weather. All varieties of carrots: **Pkt. 10c; 1 oz. 45c; ¼ lb. $1.35.**

Chantenay, New Coreless. Flesh is a deep golden orange color, always smooth and fine in texture, very tender. Excellent bunching variety and grown exclusively by market growers. Medium early.

Danver's Half Long. The roots are a rich dark orange color and by reason of its symmetrical shape which is long and pointed, it makes an excellent bunching variety. It has proved over a period of years to be the most popular carrot, both with the grower and the shipper. Mature in about 75 days.

Nantes Coreless. (68 days.) Excellent for forcing, as well as for home and market garden use. Tops very small. Roots bright orange, cylindrical, blunt tipped. Flesh reddish orange, crisp, tender and of very delicate flavor. Practically coreless.

Red Cored Chantenay. A fine carrot. Flesh tender and sweet, reddish orange in color with the core indistinct and of about the same color as the surrounding flesh. Suitable for canning and table use. **Pkt. 5c; oz. 30c; ¼ lb. 90c.**

Tendersweet or Improved Imperator. This carrot grows to a length of 6 to 7 inches with a shoulder diameter of 1¼ to 1½ inches and is a deep orange color. It has a smooth crown; does not have undesirable side shoots; has a fine texture, and is good and sweet. In all respects it is very attractive for shipping purposes.

Oxheart. Beautiful shape and color. The roots generally attain 4 to 5 inches in length, and about 3 inches in diameter. Quality first rate, very tender, and a variety that is used in quantity. Mature in 75 days.

Stock Carrots

Pkt. 5c; 1 oz. 25c; ¼ lb. 75c.

White Belgian. A late variety, an excellent keeper and a very heavy yielder. Principally grown for stock feed, it will yield as much as 40 tons per acre. Roots are 7 to 8 inches long, 3 inches across at the top, tapered and pointed.

Orange Belgian. A very productive variety, with roots measuring 20 inches long. They are broad at the shoulder, and gradually taper to a fine point. The skin below the ground is a light orange, but above the soil surface it is green. Will yield heavily, particularly on good deep soil.

TRY THE NEW IMPERATOR CARROT AND GOLDEN CROSS CORN.

CAULIFLOWER

½ oz. to 100 ft., 4 oz. per acre.

The same methods that produce good cabbage will grow good cauliflower. The only great difference is that cauliflower heads must be protected from sunlight so as to make sure of the desirable white curd. Gather the tops of the leaves together loosely as soon as the heads begin to form. In shutting off the light, it is important not to cramp the heads. **Pkt. 15c.**

Danish Giant, Dry Weather. (65 days.) One of the most dependable in adverse, dry weather. Plants dwarf, short stemmed; larger than Early Snowball. Heads large, 6 to 7 inches across, commonly weigh 2 pounds. White with tinge of cream; of splendid quality.

Early Snowball. (52 days.) The best for greenhouse forcing, early market, and shipping. Plants very dwarf. Heads snow white, deep, smooth, compact; about 6 inches across, weight 1½ to 2 pounds. The standard of excellence in cauliflower.

Autumn Giant. Also known as California Wonder. Is a large, late sort producing quite compact, white heads, surrounded by a mass of large, spreading leaves.

CELERY

¼ oz. to 100 ft., 4 oz. per acre.

Sow from February to May in drills 1 foot apart. Later, usually in June transplant to rows 3 feet apart and 6 inches apart in row. Rows should be furrowed out so plants may be set 6 inches deep. Later, soil may be banked against rows for blanching, even so-called self-blanching varieties need the cool, moist soil to render the stalks crisp and tender, but this should not be done until a few weeks before harvesting. One ounce of seed will produce five thousand plants. **Pkt. 10c; 1 oz. 75c.**

Golden Yellow Self Blanching. Early and particularly desirable for home and market garden. Plants fairly tall and compact with firm stalks, 26 to 28 inches tall, which blanch readily and are of splendid quality.

Utah Jumbo Winter. A remarkable late celery of the finest quality. Plants sturdy, compact and solid. Very free from strings. Light green in color; nutty flavor.

CELARIAC

¼ oz. to 100 ft., 4 oz. per acre.

Sow seed at the same season and give same treatment as common celery. Transplant to moist, rich soil, in rows 2 feet apart and 6 inches apart in row. Give thorough culture. It is not necessary to earth up or handle the plants. After the roots have attained a diameter of 2 inches, they are fit for use. **Pkt. 10c; 1 oz. 75c.**

Large Smooth Prague. An improved variety of turnip-rooted celery producing large tubers of nearly globular shape and comparatively smooth surface.

CHICORY

1 oz. to 100 ft., 4 to 5 lbs. per acre.

Sow chicory when weather becomes warm and settled. Sow in rows at least 24 inches in width. Thin to 3 inches between plants. **Pkt. 10c.**

Large Rooted or Coffee. Dried roots are roasted and used as a substitute for coffee. Mature in 4 to 5 months; are 12 to 14 inches long; 2 to 2½ inches thick at top; tapered.

Witloof or French Endive. One of the best and most attractive of salad vegetables. Seed sown in spring produces long, thick roots by November. To force for use, dig roots in fall, trimming off leaves an inch above the crown. Trench in a warm, dark place, covering with 6 or 8 inches of soil and top layer of fresh manure. A handsome, compact cluster of blanched leaves which are tender and have a rich, mildly acrid flavor, are thus obtained.

CORN

Sweet corn, 8 oz. to 100 ft., 10 to 14 lbs. per acre.
Salad corn, 4 oz. to 100 ft., 10 to 12 lbs. per acre.

Plant in rich, warm soil, in hills, 2 to 3 feet apart, in rows 3 feet apart for early kinds and 4 feet apart for late sorts. Make first sowing about the middle of May and continue fortnightly up to about the middle of July. **Pkt. 10c; ½ lb. 15c; 1 lb. 25c.**

EARLY SORTS

Golden Early Market. (77 days.) One of the best extra early yellow varieties for home and market garden. Ears have strong husks and 8 to 12 beautiful tender rows to each ear. Kernels golden yellow, medium, sweet and of good flavor. Very prolific.

(Continued on Next Page)

Golden Sunshine. (80 days.) A very fine early variety. Good sized ears with 10 to 12 rows of medium broad, golden yellow kernels. Sweet and tender. Particularly desirable for market garden use.

Oregon Evergreen. (95 days.) Medium to large ears with 12 to 18 rows of clear white kernels. Sweet and of good flavor. Tight husk helps protect ear from corn ear worm. Desirable for home and market gardens as well as for canning. Popular on the Pacific Coast.

INTERMEDIATE AND LATE SORTS

Golden Bantam Improved. (81 days.) A selection from the original strain of Golden Bantam. Larger ears, more rows of kernels, greater production. Golden yellow, deep, wide, tender kernels with a fine sweet flavor. Particularly desirable for canners and market gardeners. Remains in table condition a long time.

Golden Cross Bantam. (88 days.) Very uniform in habit of growth, size, and maturity. The ears measure 8 inches long and they are closely set with 14 rows of light yellow grains filled with delicious sweet pulp. Bears two ears per plant. **Pkt. 10c; ½ lb. 20c; 1 lb. 35c.**

Country Gentleman. (110 days.) A delicious sweet corn of excellent quality. Widely used by canners and very desirable for private family use. Stalk often has two ears. Cob is small, giving great depth to kernels which are slender with tender hull and set irregularly without row formation.

Stowell's Evergreen. One of the best late varieties. Large ears about 8 inches long. Kernels clear white, deep, rather broad, very sweet and tender. 16 to 20 rowed; uniform. Holds well in prime condition at eating stage. Stalk sturdy and erect. Highly desirable for home and market gardeners. Mature in 105 days.

CUCUMBER

1 oz. to 100 ft., 3 to 4 lbs. per acre.

Mature in approximately 60 days.

Sow outdoor varieties early in spring, in hotbeds, and transplant to open ground when weather is suitable. For later crop, sow seed when weather becomes settled, in hills 4 to 6 inches apart. They require a warm, rich soil, and should be watered liberally. **Pkt. 5c; 1 oz. 20c; ¼ lb. 60c.**

Davis Perfect. (68 days.) A splendid dark green variety, excellent for slicing and a good shipper. Very dark green, white spined. The color is retained a long time when pickled. Tapered somewhat at both ends. Seeds few.

Improved Long Green. This is a great improvement over the old strain of Long Green. The fruits are unusually handsome, being of good form and of a deep green color which is retained a considerable time after picking. 9 to 10 inches in length.

Klondike White Spined. Medium early. Fruits handsome; very dark green, white spined; 7 to 8 inches long, slightly tapered. Flesh is waxy, white, crisp, and of excellent flavor. A favorite variety among market gardeners; desirable for shipping. Pick in 64 days.

Straight 8. An outstanding new variety producing symmetrical, cylindrical fruits about 8 inches long and 1½ inches in diameter. Fruits are well rounded at the ends and when ripe are deep green and free from objectionable striping or tipping. Ideal for home or market garden.

National Association Pickling. A highly desirable pickling strain. Fruits weigh 1½ pounds; are dark green, symmetrical with thick walls; full ended. Slightly shorter than Chicago Pickling.

Boston or Chicago Pickling. An early pickling or slicing variety. Fruits weigh about 1½ pounds, 6 inches long and 2½ inches in diameter.

Lemon. Lttle cucumbers resembling lemons in both form and color and having a delicious and distinctive flavor. Fine for preserves or sweet pickles and considered superb as a salad. Prolific.

Gherkin or Burs. Of superior quality for pickles. Not a true cucumber. Very prolific; fruits for pickles are produced in about 60 days. Fruits pale green; prickly over entire surface. 1½ to 2 inches long; oval; uniform; seeds numerous and small.

EGGPLANT

¼ oz. to 100 ft., 5 to 6 oz. per acre.

Sow in mild heat, about the middle of March, and transplant on June 1, setting the plants 2½ feet apart. **Pkt. 10c; oz. 65c.**

Black Beauty. The fruits of this variety are large and symmetrical. Retains its glossy black-purple coloring for a long time. This lasting quality makes it distinctly popular.

New York Improved Large Purple. The standard home and market sort. Plants are large, 30 to 36 inches tall. Very productive, commonly bearing 4 to 6 or more large handsome dark purple, symmetrical, broad, egg shaped fruits.

ENDIVE

1 oz. to 100 ft., 4 to 5 lbs. per acre.

Sow about the middle of April, in rows 1½ feet apart, and thin out to about 9 inches apart. **Pkt. 10c; 1 oz. 15c.**

Broad-leaved (Escarolle.) Leaves long, broad, and succulent. Fine for winter salads and cooking.

Large Green Curled (Pink Ribbed). Outer leaves bright green, midribs tinged with rose. Center leaves blanch readily. Makes attractive salads. Vigorous and resistant.

KALE, Borecole

1 oz. to 100 ft., 4 to 5 lbs. per acre.

The culture is practically the same as that of late cabbage, but as the plants will withstand several degrees of frost they can grow late into the fall. Many think kale best after the first heavy frosts. **Pkt. 5c; 1 oz. 15c; ¼ lb. 45c; 1 lb. $1.35.**

Dwarf Green Curled Scotch. Plants have wide-spreading, finely furled blue green plume-like leaves. Relished as a vegetable green and useful as an ornament.

Tall Green Curled Scotch. Hardy plants with leaves deeply cut. Curled at the edges, light green in color; very tender and finely flavored after touched with frost.

Jersey or Thousand Headed. Called Chicken or Cow Kale. Vigorous branching plants with enormous cabbage-like leaves. Relished by poultry and livestock as winter greens.

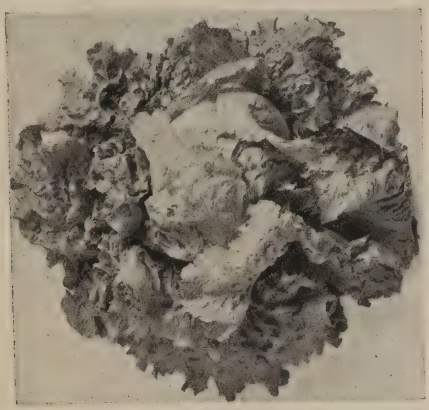
KOHL RABI

½ oz. to 100 ft., 4 to 5 lbs. per acre.

The delicious flavor of this turnip-shaped bulb combines both cabbage and turnip. As early in spring as possible, sow the seed in light rich soil in rows 1½ feet apart. When plants are well established, thin to 6 inches apart in the row. **Pkt. 10c; 1 oz. 35c.**

Early Purple Vienna. Standard early sort. Plants small; leaves dark green with profuse purple staining. Bulbs flattened globe shape, best for use when 2 to 2½ inches in diameter but become larger; exterior purple; but flesh white; mild, crisp, and tender. Mature in 60 days.

Early White Vienna. For forcing. The best table sort if used when the bulbs are 2 inches in diameter. It matures very early and produces medium sized, light green bulbs with white flesh of excellent quality.



LETTUCE

½ oz. to 100 ft., 3 lbs. per acre.

Sow the seed in hotbeds during February until the middle of March, afterward transplanting into flats or coldframes, leaving about 6 to 8 inches between the plants. As soon as weather becomes suitable, transfer to open ground and set out in rows 1 foot apart, leaving 9 inches between the plants in the rows.

HEAD LETTUCE

Pkt. 5c; 1 oz. 30c.

Imperial No. 152. Medium large, solid and attractive heads. Well adapted for early fall planting and dependable in heading. Resistant to brown blight.

New York No. 515 Improved. A development from Number 12, matures slightly earlier and should be grown where there is hot weather as it is resistant to tip-burn.

Improved Hanson. (82 days.) A very hardy lettuce, excellent for a summer crop as it withstands heat. Forms a large, light green head which is very hard. An excellent variety for the home gardener for it is very sweet, crisp and tender.

LEAF LETTUCE

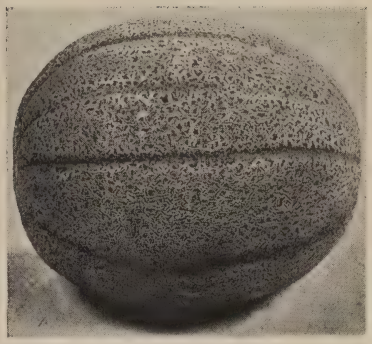
Pkt. 5c; 1 oz. 20c.

Simpson's Early Curled or Black Seeded. Widely used for home gardens. Early, hardy, and dependable; non-heading with large crumpled, frilled leaves, forming a compact bunch at center of plant. Light green in color. Tender and sweet.

Grand Rapids. Very early. Hardy, disease resistant; the most widely used and best adapted variety for greenhouse forcing. Plants large, upright, compact, and handsome; bright solid light green; leaves large, broad; margin much frilled; very tender and sweet when grown under glass.

Red Leaf Prize. An early non-heading sort, very desirable for home garden use. Plants of medium size, crisp and tender; color medium green with brownish-red edges on outer leaves.

Chicken Lettuce. This is a non-heading lettuce, quite different from those used for human food. The plants grow 4 feet tall before they run to seed. It is ready for cutting in 45 days after sowing. Planted extensively for feeding poultry and rabbits.



MUSKMELON

1 oz. to 100 ft., 3 to 4 lbs. per acre.

In sections where the summers are short, seed can be planted indoors or in hot beds in small boxes. The young plants can be transferred to the garden when danger of frost is past. If practicable, spade in a liberal forkful of well rotted manure at the bottom of each hill. The rows should be at least 6 feet apart and the hills 3 feet apart in the rows. In general, the culture is the same as that for cucumber. **Pkt. 5c; 1 oz. 15c.**

Hearts of Gold. (100 days.) This popular medium sized melon follows the earlier varieties. It is fine to plant for succession as it ripens in about 100 days. The fruits are 5 to 6 inches in diameter. The smooth orange salmon flesh is exceptionally thick and fine flavored.

Rocky Ford or Netted Gem. Fruits are small with rather large seed cavity, nearly round; no ribs, and heavily covered with hard gray netting. Flesh thick, green in color with gold tinge at the center. Juicy, spicy, and of good quality.

Hale's Best, original Jumbo Strain. An outstanding shipping variety. Fruits slightly oval, uniform. Flesh exceptionally thick, deep salmon in color; sweet, and of very fine quality. Has a delightful aroma. Ripe in 75-80 days.

Persian. A late, slow growing variety. Fruits globular; rind very dark green, netting fine but sparse. Flesh thick, orange-pink in color. Of a distinct and delicious flavor. **Pkt. 5c; 1 oz. 25c.**

Casaba. The casaba is rapidly taking its place as a melon for the late season after the muskmelons are past. Fruits are medium, large, globe shaped, weigh 6 pounds, outer color golden yellow, surface wrinkled. Flesh white, luscious and spicy.

Honey Dew. A very fine melon. Fruits large globular, weigh 5 to 7 pounds. Surface is smooth, hard, with practically no netting, creamy white. Flesh is light emerald green, thick ripening to the rind; juicy and tender, with a distinct sweetness not found in other melons.

WATERMELON

1 oz. to 100 ft., 3 to 4 lbs. per acre.

Rich, rather sandy soils produce the finest crops of watermelons, but a well-drained loam, especially with a southern exposure is also suitable. Place 6 to 8 seeds in a circle in each hill, and cover ½ inch deep with fine soil. One ounce will plant 20 to 25 hills; 3 to 4 pounds per acre. **Pkt. 5c; oz. 15c.**

B'ack-Seeded Ice Cream. The melon is almost round, with a thin rind of medium green. The inside flesh is pink and exceptionally sweet and fine flavored. This variety matures early and is fine keeper.

Kleckley Sweet. A medium size melon, rind very green and flesh deep red. Delicious flavor. An excellent melon for either home garden or shipping. Weighs about 30 pounds.

Klondike. An early sort, a good shipper and popular in Western home gardens. Fruits oblong, slightly tapered, medium sized with slight ribs; rind medium hard. Flesh bright deep red, very sweet; unequaled eating quality.

Blue Ribbon Striped Klondike. An early garden and shipping variety similar to the regular Klondike but with irregular dark green stripes. Wilt resistant. Fruits oblong, of medium size. Flesh the deepest red known to watermelons; sweet and crisp, seed small. **Pkt. 10c; 1 oz. 30c.**

MUSTARD

½ oz. to 100 ft., 4 lbs. per acre.

Seed may be sown from early spring to midsummer in rows 18 inches apart. Thin to 5 or 6 inches apart in the rows. The plants are in condition for use as soon as the leaves are the size of one's hand. Mustard runs to seed quickly, so that successive plantings are necessary for a continuous supply. **Pkt. 5c; 1 oz. 15c.**

Southern Giant Curled. The leaves are large, light green with a tinge of yellow, and much crumpled and frilled at the edges. The plant is upright or slightly spreading in growth. This variety is valued in the South on account of its vigorous growth, hardiness, and good quality.

Mustard Spinach or Tendergreen. Strictly speaking it is not a variety of mustard. A quick growing plant from the orient. Leaves oblong, broad, fairly smooth with light green center ribs. Slow to seed, resistant to heat and drought. The flavor combines that of spinach and mustard. **Pkt. 10c.**

OKRA or GUMBO

2 oz. to 100 ft., 8 to 10 lbs. per acre.

Sow seed early in May, in rows 3 feet apart and 2 inches deep. As plants appear, thin out to about 1 foot apart. **Pkt. 5c; 1 oz. 15c.**

Improved Dwarf Green. Early. Short, thick pods.

Perkin's Mammoth Long Pod. Standard medium early sort for home, market garden and canning. Plants 4 to 5 feet tall; pods dark green, fleshy, tender; become 7 to 8 inches long, 1⅛ inches in diameter. Distinctly ribbed and tapered.

ONIONS

½ oz. to 100 ft., 3 to 4 lbs. per acre.

As early as soil can be worked in spring, sow the seeds thinly in drills 1 foot apart, and cover lightly, later thinning out to about 6 inches apart in the row. The soil must be well fertilized and be made very friable. In hot weather, water frequently. **Pkt. 10c; 1 oz. 75c.**

Crystal Wax Bermuda. Medium size, pure, waxy white. One of mildest sorts grown.

White Portugal, or Silverskin. A good second early white flat onion. It should be planted any time from November 1st until April 1st. It is a good keeper and desired for shipping. Also very desirable for green bunching onions. Under good cultivation the average diameter is from 4 to 6 inches.

White Bunching or Pickling. Excellent and one of the best for green onions. Crisp and mild, attaining a good size before bulbs form.

Riverside Sweet Spanish. A large, globe shaped brown onion, weighing 1 to 3 pounds. Small tops. Flesh mild and sweet. Good for slicing. Most popular marketing onion.

White Queen. Valuable for early market and pickling, and sometimes used for bunching and for sets. Medium small, pure white, flat, mild and sweet.

Yellow Globe Danvers. An outstanding variety, dependable cropper, medium late, hardy, and excellent keeper; used for shipping and storage. Bulbs medium size, spherical, clear yellow, firm and solid with tough, clinging skin. Flesh white with slight yellow tone.

ONION SETS. Sets are northern grown, hardy, carefully cleaned sized and packed. Produced for western conditions. Plant onion sets deep for green onions and shallow for dry onions. 1 qt. to 100 ft., 12 bu. per acre. Write for quantity prices.

PARSLEY

½ oz. to 100 ft., 3 to 4 lbs. per acre.

Parsley seed is even slower than parsnip in germinating. It grows best in rich mellow soil and should be sown as early as possible in spring in rows 1 to 2 feet apart with a covering of not more than ½ inch of soil firmly pressed down. When the plants are well up, thin them 8 to 12 inches apart in the row. **Pkt. 5c; 1 oz. 20c.**

Extra Triple Curled (Moss Curled). This vigorous compact grower is one of the most popular varieties because of its deep green color and tightly curled leaves that look like moss. It is unusually decorative for table use.

PARSNIP

1 oz. to 100 ft., 3 to 4 lbs. per acre.

Sow the seed as soon as season will permit, in drills about 2 feet apart, and thin plants out to 1 foot apart in the row. The ground should be deeply trenched and well manured. **Pkt. 5c; 1 oz. 20c.**

Hollow Crown, Thick Shoulder. This is the best and most popular variety in cultivation. The skin is smooth and white, while the flesh is tender. The roots grow 18 to 20 inches in length, but the first 8 inches from the top is the best part.

PEAS

1½ lbs. to 100 ft., 90 to 180 lbs. per acre.

For first crop, round-seeded peas should be sown in the open ground as soon as it is fit to be worked; wrinkled varieties should be planted 2 to 3 weeks later. Frequent planting for succession, and a careful selection of varieties, will give an almost continuous crop of peas from June until frost. Sow peas in rows 3 feet apart and 1 to 2 inches deep. Rotted horse manure and wood ashes should be freely used in the preparation of soil for pea growing. **Pkt. 10c; ½ lb. 20c; 1 lb. 35c.**

FIRST EARLY VARIETIES

American Wonder or Nott's Excelsior. (59 days.) Important early dwarf variety for the home garden. Vines 12 to 14 inches tall, dark green, very productive. Pods medium green, 3 inches long, plump and straight, blunt; seeds medium small, squarish, wrinkled, green; interior green.

Alaska. (55 days.) This variety is extremely early. The round pods, 2½ inches long, contain 5 to 8 peas which are ready for use in about 55 days. The peas are small, round, and tender. The vines are 2½ to 3 feet tall.

Gradus, or Prosperity. (55 to 62 days.) A very popular second early, large podded variety for home use and market. Vines 36 inches tall, medium green, stocky. Pods single, broad plump, pointed, medium green; contain 8 to 10 large, delicious peas.

Laxton's Progress. (60 days.) A little earlier than other dwarf large podded peas, this variety is generally considered the best of its class. The blue green pods are often more than 4 inches long and contain 8 dark green peas of finest quality. The seeds are large, wrinkled green and cream.

Little Marvel. Outstanding among dwarf peas on account of its exceptional quality and yield. Valuable for home garden and early market. Vines dark green, 18 inches tall, stocky. Pods single and double, dark green, blunt, plump, well filled with 7 to 8 tender peas.

Hundredfold. (60 days.) A leader among the early dwarf varieties. Grows 18 inches to 20 inches high. Dark green foliage heavy with dark green straight well-filled pods of fine quality.

USE NITRAGIN TO INOCULATE PEAS AND BEANS.

LATE VARIETIES

Mature to pick in about 75 days.

Tall Telephone or Alderman. A handsome, large podded variety. Unexcelled for home gardens, for local markets and for shipping. Bears immense crops, wilt resistant. Pods single, very broad, plump, straight, dark green, pointed, contain 8 to 10 peas of highest quality.

Dwarf Telephone. Only about 2 feet tall. Resembles Telephone, and the pods are well filled with peas of the same good quality. It is an excellent variety to follow the early peas in the home garden. Seeds large, wrinkled, green.

Improved Stratagem. A superior late variety. Vines deep green, 26 inches tall, stocky and branching. Pods single and paired, wide, nearly round, straight, pointed, dark green. Contain 8 to 10 tender peas.

PEPPER

¼ oz. to 100 ft., 1 to 2 lbs. per acre.

Culture and soil and temperature requirements are about the same as for eggplant. A moderate dressing of Guano, poultry manure, or complete commercial fertilizer, hoed into the soil after the plants are 6 to 8 inches tall, will be very beneficial. **Pkt. 10c; 1 oz. 60c.**

California Wonder. Thickness of flesh alone, which is often ⅜ of an inch, places this sweet pepper above all others. It is crisp and juicy, too, without a trace of pungency. Vigorous growing plants bear a heavy yield of blocky fruits that become as much as 5 inches long and 4 inches wide.

Chinese Giant. Fruits are often 6 inches across and 4½ to 5 inches deep. The flesh is moderately thick and very mild. The fruits are rich bright green when young, and bright cherry red at maturity.

Large Bell or Bullnose. A popular, early, sweet prolific sort, with small, erect plants. Fruits blunt; flesh of fine quality and mild flavor. Much used for stuffing.

Long Red Cayenne. This well known, medium early pepper is especially good for drying purposes. The fruit is 4 inches long and 1 inch thick, twisted and pointed. It is deep green when young and bright red when ripe. The flesh is strong and pungent.

Perfection Pimiento. A splendid canning variety, adapted to home and market garden culture. Plants large, erect, prolific. Fruits heart shaped, very smooth; flesh exceptionally thick, sweet and mild.

PUMPKIN

4 oz. to 100 ft., 3 to 4 lbs. per acre.

Pumpkins are typically American, and pumpkin pie is one of our truly American dishes. They are less sensitive to unfavorable conditions of soil and weather than melons or cucumbers, but they are cultivated in about the same way. **Pkt. 5c; 1 oz. 15c.**

Large Yellow or Connecticut Field. This sort is grown largely in the corn field for stock, but the flesh is moderately fine grained, highly flavored, and very good for pies. The fruits weigh about 20 pounds and are a rich, deep orange yellow.

Sugar or New England Pie. The earliest and best variety for pies. Fruits commonly 6 inches long and 8 to 9 inches in diameter; flattened, furrowed. Skin smooth, of a rich, reddish-orange color; rind hard. Flesh is thick and orange-yellow.

Winter Luxury. This variety is very popular for the home garden. The fruit matures in 75 to 80 days, weighs 8½ pounds, and is nearly round. The skin is light yellow with a russet tinge and finely netted; the flesh is rich creamy yellow, very thick, sweet, and finely flavored.

RADISH

1 oz. to 100 ft., 10 to 12 lbs. per acre.

For an early crop, sow in hotbed in January, February and March. As soon as ground is fit to be worked, sow seed in the open, in rows 1 foot apart. **Pkt. 5c; 1 oz. 15c.**

Early Scarlet Globe. The earliest of all forcing radishes grown for market. Globular, uniform size, bright scarlet, white flesh, crisp and tender.

Early Scarlet Turnip—White Tip. This variety grows very quickly and is ready for picking in 25 to 30 days. Scarlet in color, turnip shaped, very crisp and of excellent flavor. One of the best varieties for the home gardener.

Crimson Giant. A favorite with home gardeners. Large globular root. 1 to 1½ inches in diameter, deep crimson, flesh firm.

French Breakfast. A splendid variety for home use; oblong, bright scarlet, white tip. Grows about 1½ inches long and ⅝ inch thick.

Long White Icicle. Long slender roots which remain tender and crisp until grown. Matures early; has small top which permits close planting.

WINTER VARIETIES

Black Spanish Long or Round. A hardy, large, rather pungent variety for winter use. Keeps unusually well; is 8 to 9 inches long and 2 inches thick, slightly tapered. The skin is black and the flesh white and crisp. Round, about 4 ins. in diameter.

Chinese White Winter (Celestial). Clear white and smooth; about 8 inches long, 2½ to 3 inches in diameter. Square shoulder and blunt bottom. Flesh white, firm, and crisp; mild; not as pungent as most winter varieties.

Scarlet China Winter (Chinese Rose Winter). A large rose-colored variety from the Orient. Hardy and rather mild. The flesh is white, and very crisp. This variety is broadest at its base and is 4 to 5 inches long.

RUTABAGA, Swedish Turnip

1 oz. to 100 ft., 2 to 4 lbs. per acre.

The culture is the same as for common turnip, but if anything, less exacting in care. **Pkt. 5c; 1 oz. 15c; ¼ lb. 45c.**

Improved American Purple Top (or Long Island Improved). The old, popular standard sort both for stock feeding and table use. Flesh yellow, solid and sweet. Is globe shaped, of large size, of fine quality.

SALSIFY, Vegetable Oyster

1½ oz. to 100 ft., 7 to 8 lbs. per acre.

The roots of this vegetable are appetizing and nutritious, and the flavor is like that of oysters. Salsify succeeds best in a light, well enriched soil, which should be stirred to a good depth. Coarse and fresh manure should be avoided, as it will cause the roots to become irregular and branched. Sow early and quite deep, giving the general culture recommended for parsnip. **Pkt. 10c; 1 oz. 20c.**

Mammoth Sandwich Island. Large and strong growing with long, smooth, white, tapering roots less likely to branch than those of other sorts.

SQUASH

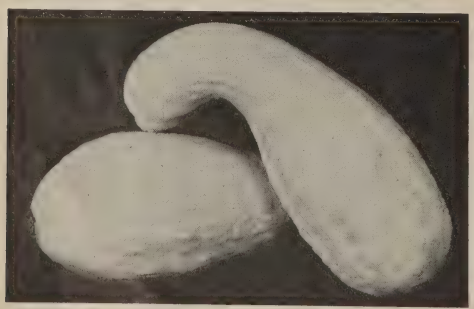
Vining, 1 oz. to 100 ft., 4 lbs. per acre.
Bush, 1 oz. to 100 ft., 4 to 6 lbs. per acre.

Seeds should be planted about the middle of May, in hills 4 feet apart for bush varieties, and 10 feet apart for the running sorts. Put 12 to 15 seeds in each hill; afterward thin out, leaving 3 or 4 of the best plants. **Pkt. 5c; 1 oz. 15c.**

Zucchini or Italian. The favorite Italian squash. It should be eaten when quite young, 4 to 6 inches long. It is a delicious summer variety; do not hesitate to plant it. It is very prolific, a few hills will suffice to keep the family well supplied the entire summer.

Black Zucchini. Considered by many to be a better variety than the older type. Similar in all respects but dark green, smooth and cylindrical, without striping or mottling.

Early Summer Crookneck. Very early, 60 to 65 days. The bushy plant is very productive of attractive fruits, weighing about 2 pounds. The skin is distinctly warted and bears a bright yellow color, while the flesh is pale cream, firm, and tender. A very good sort for home planting.



Early Prolific Straightneck. The peak of perfection in a summer squash. Fruits straight and smooth, of a delicate creamy color. Vines produce abundantly. 50 days.

Golden Hubbard. A very good variety of medium size, weight about 8 pounds. An excellent keeper on account of its thick rind which is of a beautiful golden color.

Improved Hubbard. Large and of warty Hubbard type. Shell dark green, hard, moderately warted. Flesh light orange, very dry and richly flavored. One of the best winter squashes.

Table Queen or Danish. Small, dark, green, acorn shape. Flesh rich yellow, dry, richly flavored. Medium early. A good keeper. Easy to grow.

White Bush Scallop. A popular variety bearing profusely small, rather flat white squashes with a distinct scalloped edge. Is very early and has a fine flavor.

Banana. A late trailing sort, cylindrical and pointed at blossom end. A fine squash for pies. Free from fiber or stringiness. Flesh thick, deep yellow, dry, and of a sweet flavor. Thin slate-grey rind.

SPINACH

1½ oz. to 100 ft., 10 to 20 lbs. per acre.

Sow in rows 16 to 20 inches apart and thin to 6 inches apart in the row when leaves are an inch wide. In the North, seed can be planted as soon as the ground can be prepared. In the South, spinach will winter over with little or no protection. **Pkt. 5c; 1 oz. 15c.**

Nobel, or Giant Thick Leaved. Of rapid growth. The leaves are the largest of any type and keep well after picking; medium-green, rounded, slightly crumpled, succulent and tender. Excellent for the home garden.

Improved Thick Leaf. The seed of this thick leaved variety produces the largest spinach. The leaves grow rapidly and remain in good condition a long time. The medium green leaves are large, rounded, slightly crumpled, succulent, and tender.

New Zealand. Although not a true spinach, the leaves look like spinach and are very useful as greens. On soil too poor to grow spinach successfully, the plants thrive and produce groups of small fleshy leaves that are tender and delicious when cooked.

BUILD UP YOUR SOIL
Inoculate Your Legumes with NITRAGIN

Inoculate your Legume seeds even tho planted on fields that have been inoculated before. Field tests have shown that better crops are harvested when Legume seeds are inoculated even when planted on fields where inoculated seeds of the same Legume crops had grown the previous year.

NITRAGIN INOCULATION PRICES
When Ordering, ALWAYS State Name of Seed

ALFALFA, all CLOVERS

Size	Retail
½ bu. ea.	$ .30
1 bu. ea.	.50
2½ bu. ea.	1.00

PEAS (All Varieties)
VETCHES (All Varieties)

½ bu. ea.	$ .25
1 bu. ea.	.35
1⅔ bu. ea.	.50
12½ bu. ea.	3.50

BEANS
String, Wax, Kidney

½ bu. ea.	$ .25
1 bu. ea.	.35
1⅔ bu. ea.	.50

LESPEDEZA Hulled or Unhulled

Size	Retail
Small (Inoculates up to 50 lb. seed)..	$ .35
Large (Inoculates up to 100 lb. seed)..	.50

SOYBEANS, LIMA BEANS, COW PEAS and PEANUTS

Small (Inoculates up to 120 lb. seed)..	$ .30
5 bu. ea.	.55
25 bu. one can) ea..	2.50
30 bu. (one ctn.) ea.	3.25

(*Contains 6-5 bu. cans*)

GARDEN SIZE
Garden Peas and Beans
Sweet Peas and Lupines
Enough for 6 lbs. seed
Retail Price 10c each.

NITRAGIN — Oldest and Most Widely Used Inoculator in America

VEGETABLE SEEDS

TOMATO

⅛ oz. to 100 ft., 2 oz. per acre.

In February or March sow seeds lightly in rows in greenhouse, hotbed, or window box, and when plants have reached a height of 3 inches, transplant in hotbeds. About June 1, set out in open ground, 4 feet apart, giving plenty of well rotted manure to each plant. Water freely during hot weather. To obtain the best results, trellises or stakes should be used. **Pkt. 5c; 1 oz. 35c.**

Bonny Best. One of the very best early varieties (73 days) for table and canning. Vine medium, not very hardy. Fruits medium sized, apple shaped, smooth, solid, bright scarlet in color, of excellent quality.

Chalk's Early Jewel. (75 days.) A second early sort. Good for canning. Plant medium with open growth; prolific. Fruits medium large, smooth; scarlet, flattened globe-shaped.

Spark's Earliana. (65 days.) One of the earliest scarlet fruited varieties. Medium size, almost seedless and solid. Vine open and spreading. A heavy bearer. Succeeds everywhere.

Marglobe. (73 days.) The best general purpose tomator recently introduced. Excellent home garden variety and particularly valuable for shipping. Plants thrifty and heavily productive and of long bearing period. Fruits uniform deep scarlet; large; uniformly globe shaped; smooth, solid, and of distinct quality.

Pritchard (Scarlet Topper). Wilt resistant of the type of plant known as self-topping or self-pruning. Mid-season to late and a heavy topper. Fruits globe-shaped, deep scarlet, smooth and solid. A good home and market variety and very popular for shipping. 80 to 85 days.

Ground Cherry or Husk Tomato. Fruits small, yellow, enclosed in looose paper husks. Very much prized for preserving. **Pkt. 10c; 1 oz. 75c.**

Yellow Pear. Enormously productive, fine for salads or marmalade. Sweet and delicious. Small, yellow, pear-shaped fruits of exceedingly mild and pleasing flavor. **Pkt. 10c; 1 oz. 75c.**

Yellow Plum. Oval plum-shaped fruits, 2 inches long. A clear deep yellow. Used for preserves. **Pkt. 10c; 1 oz. 75c.**

TURNIP

1 oz. to 100 ft., 2 to 3 lbs. per acre.

For main crop, sow in open ground from May to July; for winter use, during July and August. Set out in rows 1½ feet apart, allowing a space of 6 inches between the plants. **Pkt. 5c; 1 oz. 15c; ¼ lb. 45c.**

Purple Top Strap Leaf. A medium early, very productive variety. Tops medium small, upright, strap-leaved. Roots flat, purple red at the top, white below; flesh white, fine grained and tender.

Purple Top White Globe. This variety may be grown to quite a large size without developing signs of coarseness. It is of spherical shape with white skin, the upper one-third being colored reddish purple. Flesh pure white, firm, fine grained and of superior flavor. Good keeper. Fine for table use and stock feeding. Table size in 55 days, mature in 70 days.

Snowball. A desirable sort for home use and early markets. Tops small and erect. Roots medium sized, round, white throughout, crisp, sweet and tender. Table size in 40 days.

Purple Top Yellow Aberdeen. Full size in about 80 days. Of high quality. One of the best keepers. Globular or slightly flattened, usually about 5 inches in diameter, smooth, upper part purplish-red, lower part pale yellow as is the crisp, firm, sweet and tender flesh.

Golden Ball or Orange Jelly. A splendid variety for table use; of excellent flavor. Tops small, cut leaved. Roots globular, commonly 4 inches in diameter. Skin smooth, orange-yellow; flesh yellow, firm, fine grained and of good quality. Rapid grower. Plant during cooler months only. Table size in 60 days.

Bortfield. The easiest harvested root crop. A good keeper; will keep through the average winter in the field. Due to thick skin, is quite resistant to worm injury. A very heavy yielder.

Cow Horn. This variety is pure white; in shape like a carrot, growing nearly half out of the ground, and slightly crooked. It is delicate and well flavored. Used also as a green manuring crop. Table size in 65 days; mature in 75 to 80 days.

PLANTING TABLE FOR VEGETABLES

SPECIES	Seed required for 50 ft. of row	Seed required to sow an acre	Distance between rows inches	Distance apart in row inches	Depth of planting inches
Artichoke, Globe	¼ oz.	6 to 8 oz.	40 to 48	18 to 24	1
Asparagus	½ oz.	4 lbs.	14 to 24	3 to 6	1
Beans, Bush	½ lb.	50 to 60 lbs.	24 to 30	2 to 3	1½ to 2
Beans, Lima	½ lb.	30 to 50 lbs.	24 to 36	3 to 6	1½ to 2
Beans, Pole	½ lb.	30 to 35 lbs.	36 to 48	6 to 8	1½ to 2
Beet	½ oz.	8 to 14 lbs.	14 to 24	3 to 4	½ to 1
Beet, Mangel & Sugar	½ oz.	6 to 10 lbs.	18 to 24	6 to 9	½ to 1
Swiss Chard	½ oz.	6 to 10 lbs.	18 to 24	10 to 12	1
Broccoli	¼ oz.	4 oz.	20 to 36	16 to 22	½ to 1
Brussels Sprouts	¼ oz.	4 oz.	20 to 36	16 to 22	½ to ¾
Cabbage	¼ oz.	4 oz.	18 to 36	14 to 24	½
Cardoon	½ oz.	5 oz.	20 to 32	20 to 30	½ to 1
Carrot	¼ oz.	3 to 4 lbs.	16 to 24	1 to 3	½
Cauliflower	⅛ oz.	4 oz.	24 to 30	20 to 24	½
Celery	⅛ oz.	4 oz.	24 to 40	4 to 6	¼
Chicory	½ oz.	4 to 5 lbs.	20 to 36	2 to 3	½ to 1
Collard	¼ oz.	5 oz.	24 to 30	14 to 18	½
Corn, Pop	3 oz.	6 to 8 lbs.	34 to 40	6 to 8	1
Corn, Sweet	4 oz.	10 to 14 lbs.	30 to 42	9 to 12	1
Corn Salad	2 oz.	10 to 12 lbs.	14 to 18	3 to 4	¾
Cress	1 oz.	10 lbs.	12 to 18	2 to 4	½
Cucumber	½ oz.	3 to 4 lbs.	48 to 60	12 to 36	½ to ¾
Dandelion	¼ oz.	5 to 6 lbs.	18 to 22	6 to 10	½
Dill	½ oz.	5 lbs.	20 to 36	4 to 6	½
Egg Plant	⅛ oz.	5 to 6 oz.	24 to 36	18 to 24	½
Endive	½ oz.	4 to 5 lbs.	18 to 24	8 to 12	½
Fennel	½ oz.	3 to 4 lbs.	24 to 32	5 to 8	¾
Kale	½ oz.	4 to 5 lbs.	24 to 32	14 to 22	½
Kohl Rabi	¼ oz.	4 to 5 lbs.	14 to 24	4 to 6	½
Leek	¼ oz.	4 lbs.	14 to 36	2 to 3	¾
Lettuce	¼ oz.	3 lbs.	12 to 18	4 to 12	¼
Melon, Musk	½ oz.	3 to 4 lbs.	70 to 80	36 to 60	¾
Melon, Water	½ oz.	3 to 4 lbs.	72 to 96	72 to 96	¾
Mustard	¼ oz.	4 lbs.	14 to 24	6 to 9	½
Okra	1 oz.	8 to 10 lbs.	24 to 40	18 to 24	1
Onion	¼ oz.	3 to 4 lbs.	18 to 24	3 to 4	¾
Onion (for sets)		60 to 85 lbs.	12 to 14	Not thin'd	¾
Parsnip	½ oz.	3 to 4 lbs.	18 to 24	3 to 4	½
Parsley	¼ oz.	3 to 4 lbs.	12 to 20	6 to 8	½
Peas	¾ lb.	90 to 180 lbs.	24 to 36	1 to 2	1 to 2
Pepper	⅛ oz.	1 to 2 lbs.	20 to 30	18 to 20	½
Potatoes	8 lbs.	800-1000	24 to 36	18 to 24	6
Pumpkin	2 oz.	3 to 4 lbs.	96 to 110	60 to 84	¾
Radish	½ oz.	10 to 12 lbs.	12 to 18	1 to 2	½
Rhubarb	½ oz.	3 lbs.	24 to 42	20 to 24	¾
Rutabaga	½ oz.	2 to 4 lbs.	18 to 24	4 to 7	½
Sage	½ oz.	4 to 5 lbs.	20 to 24	6 to 10	½
Salsify	¾ oz.	7 to 8 lbs.	18 to 24	2 to 3	¾
Sorrel	½ oz.	4 to 5 lbs.	12 to 22	2 to 3	½
Spinach	¾ oz.	10 to 20 lbs.	14 to 18	3 to 5	¾
Squash, Bush	1 oz.	4 to 6 lbs.	42 to 48	42 to 48	1
Squash, Vining	1 oz.	4 lbs.	72 to 90	60 to 90	1
Sunflower	1 oz.	7 to 8 lbs.	48 to 70	10 to 12	1
Tomato		2 oz.	40 to 60	36 to 40	½
Tobacco		2 oz.	36 to 48	24 to 36	½
Turnip	½ oz.	2 to 3 lbs.	12 to 20	2 to 4	½

FIELD SEEDS

WRITE FOR OUR COMPETITIVE PRICES

ALFALFA

Sow 12 to 15 pounds per acre.

Grimm Alfalfa. State Sealed and Certified Seed. Grimm Alfalfa is a very hardy and consistent producer. It is recommended for all sections West of the Cascades where alfalfa is considered to have a place. Highest grade seed.

Ladak Alfalfa. A variety ideally adapted to dry soils which cannot successfully grow the more common varieties. Will produce one heavy crop, and in case the moisture is not sufficient to continue its growth, will survive through the season, to come again after soil moisture conditions are favorable for growth. Strongly resistant to freezing. Also gives good results under irrigation in the Northwest.

Common Alfalfa. Universally grown popular long-rooted variety. Best adapted to deep soils.

BARLEY

Sow 120 to 150 pounds per acre.

Success Beardless Barley. Spring. Straw about height of common barley. Stands up better than other varieties. Contains no beard.

White Hulless or Bald Barley (Beardless). An early spring variety. When threshed is hulless like wheat.

Hannchen Barley. Heavy yielding, spring variety, medium early, white, two row, bearded type.

Trebi Barley. Spring. This is a six-rowed, bearded, hulled barley adapted to irrigated conditions. Though it is a rough awned variety it has the advantage over coast barley in that the awns thresh free from the grain, thus eliminating considerable danger in feeding.

BUCKWHEAT

Sow 50 to 60 pounds per acre.

Japanese. This is the largest growing buckwheat. The plant makes a more vigorous and larger growth than the common kind and yields more. Adapted throughout the Northwest.

Silver Hull. The kernels are gray and are much smaller than the Japanese variety. They are very plump and heavy and make excellent flour. Also adapted throughout the Northwest.

CLOVER

Mammoth Red Clover. Also called "Pea Vine" Clover. This variety grows larger and coarser than the medium and is often used for plowing under to enrich the soil, for which purpose it is very valuable. American grown seed. Sow 6 to 10 pounds per acre.

Ladino Clover. Is a very large form of white clover, usually making a growth of 8 to 12 inches. A perennial. The stems lie flat on the ground and commonly root at the joints. Can be grown on rather shallow land where well supplied with humus and moisture. Makes especially vigorous growth on the lower, medium heavy types of soil. Sow 4 to 6 pounds per acre.

White Dutch Clover. A very hardy creeping clover, which adapts itself to a great variety of soils and climates, being found in every state in the Union. Superior for pasture either for sheep or cattle. As a bee pasture it is unexcelled. Sow 6 to 8 pounds per acre.

Yellow Sweet Clover, Biennial. In great demand on account of its earliness, being about two weeks earlier than the white. Does not grow as tall as white, finer stemmed, and makes just as good pasturage. Produces high quality hay. Sow 12 to 15 pounds per acre.

White Sweet or Bokhara Clover, Biennial. Excellent for pasture, hay and a soil improver. More drouth-resistant than alfalfa. It will generally produce a large crop of seed and hay the second year. Thrives on light alkali soil. Sow 12 to 15 pounds per acre.

Red Clover. Is excellent for pasture and hay purposes and is used very extensively throughout the country. Will thrive in slightly wetter and more acid land than alfalfa. Sow 6 to 10 pounds per acre.

Alsike. Very hardy, adapted for sowing on cold, wet land. Planted at the rate of 8 to 10 pounds per acre, it yields a large amount of hay or pasture and is a good bee plant. Write for quantity prices.

Strawberry Clover. Undoubtedly one of the most satisfactory of recently developed legumes. Resembles White Dutch Clover but spreads faster and lives longer. The vigorous surface creepers develop a very dense sod. Primarily valuable for pasturing either cattle or sheep. Very adaptable to distinctly alkali soil; exceptionally satisfactory for coastal lands. However, it is of little value in extreme dry conditions. Free from insect and disease attacks. When seeding, 6 pounds per acre is ample; if in a mixture, 1½ pounds is recommended.

FIELD CORN

8 to 10 lbs. per acre.

Enquire for Prices.

Minnesota "13" Yellow Dent. An early maturing yellow dent corn that is a favorite in all the corn growing sections west of the Rockies. More of it is being grown than all other varieties combined. The stalks are of medium size, the ears 9 to 11 inches long.

Pride of the North. An early maturing, long-kerneled yellow sort that we recommend for any corn district west of the Rockies. The stalks are larger than those of Minnesota "13" and the kernels deeper.

FLAX

Flax may be grown with good success in the West. It matures quickly and may be planted as late as the middle of June and mature seed. Yields 10 to 20 bushels per acre. May be used with success as a nurse crop for clovers and grasses where there is plentiful summer moisture, and is the most desirable crop to follow on native sod. Sow 42 pounds per acre.

GRASSES

Bromus inermis (Awnless Brome Grass). The best grass we have for the drier regions of the Northwest. Grows luxuriantly, is freely eaten dry or green by cattle. Sow 25 to 30 pounds per acre. Spring or fall.

Meadow Fescue. This is a very valuable species for permanent grass lands and is relished by livestock both as hay and pasture. Sow 15 to 20 pounds per acre on well prepared soil.

Mesquite. Used on burned over, virgin soils. No cultivation is necessary. Sow seed at the rate of 15 pounds per acre.

Oat Grass, Tall Meadow. The earliest grass to start in the spring and holds well into the fall. Withstands rather dry, warm and cold conditions much better than many other grasses. A long-lived, deep rooted perennial. Grows equally well on bottom or upland. For pasture sow 20 to 30 lbs. per acre.

Orchard Grass or Cocksfoot. Valuable if planted alone or mixed with other grasses. Very often mixed with White Clover, Red Clover and Rye Grass. Seed should be broadcast at the rate of 20 to 28 pounds per acre on well prepared soil.

Perennial Rye Grass. A strong growing, hardy perennial grass, noted for its nutritive qualities. It is equally valuable for both grazing and hay. For pasture sow 25 to 30 pounds per acre.

Italian Rye Grass. A quick growing grass, attaining a height of 2½ to 4 ft., desirable for temporary meadows or pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. Grows easily and produces an abundance of excellent forage either as hay or pasture. Sow 25 pounds per acre.

OUR FIELD SEEDS ARE BEST WE CAN BUY AND ARE SOLD AT COMPETITIVE PRICES.

FIELD SEEDS

Common Rye Grass. Similar to Italian. The finest rye grass grown; superior to imported. Pasture, 25 pounds per acre.

Timothy. This is a very valuable grass for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall at the rate of 8 to 10 pounds per acre.

Pasture Mixture for Burned-over Land. A blend of grasses for sowing on burns and logged-off lands. Splendid value and very economical for such purposes. Sow 12 to 15 pounds per acre.

Sudan Grass. An excellent annual drouth resisting forage plant. All stock relish it. Sow in spring after soil is warm at 20 to 30 pounds per acre.

Red Top. A valuable grass for moist soils. It is a good, permanent grass. It should be grazed close. It has been grown successfully on "alkali" bottom lands, where other grasses failed. We offer only the clean seed. Sow 10 to 15 lbs. of clean seed to the acre.

Kentucky Blue Grass. This is an excellent grass for pasture for all kinds of stock. It is very hardy. The roots form a tough sod. Blue Grass requires two years to get well started and for that reason is often sown in mixture with other grasses. From 20 to 25 lbs. to the acre.

Crested Wheat Grass. This is the valuable plant for our Western country and thrives well in semi-arid sections. It is related to the famous bunch grass of the west. It is one of the best and surest hay grasses for these sections. It produces good crops of hay and makes excellent permanent pasture. It withstands drought and the cold winters. 10 to 15 pounds of seed is usually sown to the acre.

Superior Reed Canary Grass. A hardy perennial grass which succeeds in spite of long summer dry periods. It differs from the lowland type or regular Reed Canary Grass in that the growth is more upright, leaves more numerous and of a lighter green color. Its stems are upright and comparatively stiff but not harsh. Primarily a pasture grass with a long life, long grazing season and produces a large quantity of very succulent, palatable forage. Sow 5 to 12 pounds per acre broadcast.

MILLETS

Japanese Barnyard Millet. This millet is exceedingly palatable and is the best of summer green feeds for the cool coast sections. Sow 20 to 30 pounds per acre.

German or Golden. Will grow on any good land and yields heavily when irrigated. Yields from 30 to 40 bushels of seed per acre, and is excellent food for stock and poultry. Also a good green fodder and hay plant.

Hog or Proso. The seed is large. Feeding value almost equal to corn. The name "hog millet" is used to emphasize the use for which it is intended. It is a valuable feed for hogs and cattle as well as for birds and poultry. Both German and Hog millet are often used as catch crops where other crops fail in irrigated or humid sections.

OATS

Sow 60 to 80 pounds per acre.

Victory. This oat originated a number of years ago in Sweden, and since its introduction in this country has become more popular each year. It is similar to Swedish Select in season. Grain of medium size, short, plump, white, thin hull, nearly beardless. A heavy yielder. The straw is very stiff and firm.

Swedish Select. Kernel is white, large and plump, hull thin, and straw is stiff and strong. Does not lodge. A remarkable root development makes the Swedish Select oat a good drought-resister, and especially suited to high land. It is the earliest of the heavy yielding sorts.

Gray Winter Oats. Usually hardy. Seeded in winter, fall or early winter. May be sown in the spring for hay in coast sections.

FIELD PEAS

Austrian Winter Peas. Here is the ideal forage legume for hay, ensilage or for pasture. Austrian Winter Peas under many conditions will outyield vetches. The vines and pods are almost as large and heavy as garden peas. The vines are relished by all kinds of stock. Plant in the fall for best results. Will not winter-kill. Does well under irrigation, and in relatively humid sections. Very hardy. Grown extensively for seed and cover crop. Sow 75 to 90 pounds per acre when seeded alone; when seeded in companionship with a winter grain 60 to 75 pounds per acre.

Canadian. This legume has the distinct advantage of being suited to late planting. Canadian Field Peas produce excellent forage. May be used for summer green manure crop. Requires considerable moisture. Sow 120 to 150 pounds per acre.

RYE

Sow 85 to 115 pounds per acre.

Spring Rye makes a successful growth in rather poor soils where other grains would fail. It is useful as a cleaning crop for the purpose of eradicating wild oats. Makes early pasture and may be cut and cured for hay.

Winter or Fall Rye serves a very useful purpose for pasture and hay. May be sown in the spring and summer as well as in the fall. When Winter Rye is sown in the spring, it goes into the following season before maturing.

Rosen or Petkuser Rye. A winter variety of recent introduction, it is becoming very popular among growers of winter rye. It is said to yield more grain, stools more, and is hardier than the older types of winter rye.

RAPE

Dwarf Essex. This crop is very highly recommended for pasturage for sheep, cattle, and hogs. It also makes splendid green feed for poultry. Plant 10 lbs. per acre, in early spring. Develops rapidly and is often ready to pasture in 6 to 8 weeks after seeding. Requires fertile, moist soil.

SOYBEANS

Soybeans are annual legumes widely adapted to various soils and not difficult to grow on the warmer more fertile soils. Are excellent as a summer catch crop and splendid soil builders. Soybean hay is one of the best roughages and when mixed with corn they make splendid ensilage. When harvested for seed, they should not be cut until pods are fully matured and the beans hard.

VETCH

Sow 40 to 60 pounds per acre.

Common Vetch. Resembles peas and valuable for forage and green manure. As a hay crop it is generally sown with oats or wheat to afford support for the vines. Usually sown in the fall. Best adapted to sections west of Cascade Mountains.

Hairy Vetch. Thrives on all soils. Makes a better growth during the cold season than the other varieties. Has very wide adaptability.

Hungarian. Finer stemmed and leafier than most forage vetches. Suitable to various types of soils. Resistant to aphid attacks.

WHEAT

Sow 75 to 90 pounds per acre.

Marquis Spring Wheat is the standard, hard, red spring wheat for irrigated sections of the West. It is early maturing and high yielding. Is beardless, short, stiff-strawed. We will be able to supply both registered and non-registered seed.

Turkey Red Winter Wheat. A standard red bearded wheat with a strong straw. It is early ripening. Kernels are large, red and hard. It is in good demand by millers.

Thompson Club or White Russian Wheat. The most widely used spring wheat planted in the irrigated districts of Eastern Washington and Oregon. It is a beardless, soft white variety which outyields all other common varieties.

WHEAT

PET SHOPPE SUPPLIES

DOG COLLARS

No. E Collar. All leather, unlined, with plain buckles. These are ½ inch as illustrated in assorted lengths and colors. Give size of neck when ordering. **Price, any length, each $1.00; postpaid, $1.10.**

No. 110 Collar. Black or russet leather unlined, with plain buckle, solid Dee, one inch wide. 17, 19, and 21 inches long. State size when ordering. **Price, any length, each, $1.00; postpaid, $1.10.**

No. R Collar. A good strong unlined collar, studded, one inch wide comes 17, 19, and 21 inches long, black or tan leather. Give size when ordering. **Each, 60c; postpaid, 70c.**

DOG HARNESS

No. C238

These are all made of the best quality leather. The edges are rolled and finished uniformly, and make a fine appearance. Always give size when ordering.

No. C 238 Harness. Unlined, spotted, ⅝ inch wide, 12, 14, 16, and 18 inches long, black, russet, red or green leather. **Each, $1.00; by mail, $1.10.**

No. C 138 Harness and Lead Combination. ⅜ inch wide, 12, 14, 16 and 18 inches long, black, russet, red and green leather. **Each $1.00; by mail, $1.10.**

DOG SWEATERS AND BLANKETS

Dog Sweaters. Best quality, all virgin wool, assorted colors. Sizes 8, 12, 14, 16, 18, 20. **Specially priced at $1.00 each. By mail, $1.10.**

Dog Blankets. Of heavy Scotch plain and plaid materials. Trimmed in assorted colors with side buckle. Sizes 10, 12, 14, 16, 18, 20. **An excellent value at $1.00 each. By mail, $1.10.**

DOG ACCESSORIES

Dog Bone. Pure gum rubber, chocolate scented; makes a splendid toy for your pet. **Each, 25c; by mail, 35c.**

Dog Balls. Indestructible; excellent for exercising the dog. **Each, 20c; by mail, 25c.**

Tingle Dog Balls. Assorted colors. **Each, 15c; by mail, 20c.**

Catnip Mice. No. 1 cloth, most excellent toy for dogs and pets. **Each, 10c; by mail, 15c.**

Locks. Small size with key for dog collars. **Each, 15c; by mail, 20c.**

DOG MUZZLES, LEATHER

No. 10. A good strong, all leather muzzle for all breeds. ½-inch for small dogs, ⅝-inch for medium dogs, ¾-inch for large dogs. **Each, 75c; by mail, 85c.**

DUST ON JUST ONE SPOT
and kill all the fleas on the dog or cat.

SAFE—SURE—GUARANTEED.

ONE-SPOT does not repel Fleas. It KILLS Fleas, Lice and Bedbugs.

25c and 50c. By mail, 30c and 60c.

PULVEX 6-USE DOG SOAP

Oils the skin, tones, kills fleas, deodorizes "doggies" odors, cleans, gives hair a dog show sheen—**all in a single operation.** The most economical to use because the supersize cake outlasts two ordinary size cakes. **Price, 50c; by mail, 55c.**

LIQUID GARLIC

The ideal natural conditioner for dogs and cats, odorless soon after taking.

When used regularly it overcomes poor appetites, fermentation, worms, constipation, gas and poor coats. Liquid Garlic is a general tonic for run down conditions in puppies and old dogs and a general intestinal disinfectant to hold down parasites and acts as a preventative of Toxemia, promoting proper intestinal action.

2-oz. bottle, 50c; 4-oz. bottle, $1.00; 8-oz. bottle, $1.75. By mail, 60c, $1.10, and $1.85.

ON-THE-NOSE

A new method for treating dogs. When spread on the dog's nose like salve, it is immediately licked off. The dog then takes its own dose; it prevents and aids in case of distemper, colds, etc. It is also a mild purgative and tonic, highly recommended by Veterinarians and Dog fanciers—it is fully guaranteed. **Price, $1.00 a tube, postpaid.**

MILLER'S DOG RATION

Miller's Dog Ration is one of the best balanced dog foods in the United States. Contains cereals, meat, bone, yeast and cod liver oil. It is fed to hunting dogs, police dogs, fox terriers, bulldogs and all other kinds—it is also fine for puppies. It is cooked and ready to use when received. **3 lbs., 25c; 10 lbs., 65c. Postpaid, 3 lbs. 40c; 10 lbs. 90c.**

GOLDFISH FOOD

Natural Fish Food	$0.10	$0.15
Wafer Fish Food	.10	.15
Tropical Fish Food, fine or coarse	.10	.15
Turtle Food	.10	.15

BIRD SUPPLIES

Ely Bird Seed (with biscuit), each	15c
Van Antwerps Song Restorer	25c
Cuttle Bone (large)	10c
Van Antwerp Bird Gravel	10c
Bulk Mixed Bird Seed, 5 pound pkg	60c

PREPAID BY PARCEL POST

BIRDS

CANARY (Guaranteed Singer), each	$6.50
LOVE BIRDS (Green), pair	5.00
LOVE BIRDS (Blue), pair	7.00
PARROTS (Mexican Yellow Head), each	25.00

PREPAID BY EXPRESS ONLY

WE CARRY A FULL LINE OF PET FOODS AND REMEDIES.

PROTECT YOUR GARDEN WITH THESE "ORTHO" PRODUCTS

The most common destructive insects are illustrated below (some greatly enlarged). The numbers indicate the products described on this page that are generally used in their control. Other pests are mentioned under product names.

Aphis
3, 8, 11, 17

Leafhopper
3, 8, 11, 17

Mealybug
3, 8, 11, 16, 17

Thrips
3, 8, 11, 17

Corn Earworm
3, 4, 5

Scale Insects
8, 11, 13, 16, 17

Red Spiders
8, 11, 13, 16, 17

Diabrotica
3, 5, 8, 17

Flea Beetle
3, 4, 5, 8, 17

Sowbug
2, 4, 5

Caterpillar
3, 5, 8, 14, 17

Earwig 2

Snail 2

Slug 2

Weeds 21
Sod Web Worm 8
Fleas 3, 8
Rodents 18

Spittle Bugs 3, 8, 17
Apple Worm 5, 14
Ants 1, 3, 8
Cutworms 2, 4

PLANT DISEASES

Black Spot on Roses 12, 17
Leaf Spots 12, 17
Mildews 9, 12, 17
Molds 12, 17
Rose Rust 12+16, 12, 17
Peach Blight 10, 12, 17
Peach Leaf Curl 10, 12, 17
Rose Mildew 11, 12, 17

INSECTICIDES · FUNGICIDES WEED KILLERS

1. ANT-B-GON Ant Poison. For use against Argentine and Sweets-Eating Ants. With patented "wick" feeder for garden use. Keep a supply of filled dispensers in the garden near the house at all times.

ANT-B-GON Dispenser Sets
Four, 1-oz. bottles.....$ .60 per set

ANT-B-GON Ant Control Liquid
4 ounce bottle.....$ .20 each
16-oz. bot., ea. .50 **32-oz. bot., ea. .90**
1-gal. tin, ea. 2.75

2. BUG-GETA Metaldehyde Bait. A specially prepared bait that has proved effective for use against Snails, Slugs, Sowbugs, Earwigs, Cutworms and Strawberry Root Weevils.
1-lb. carton ....$ .25 **12-lb. bag $1.75**
2½-lb. carton .50 **30-lb. bag 3.75**
6-lb. carton 1.00

3. BOTANO Garden Dust. New, improved multi-purpose dust mixture packed in a convenient self-use duster package. For use on Ornamental plants, flowers and vegetables against 16 different garden pests including certain Ants, Aphis, Beetles, Black Spot Diseases, Caterpillars, Cabbage Worm, Tomato Worm, Fleas, Mildews, Pear Slug, Red Spiders, Rose Mildew, Rose Slug, Sow Bugs, Spittle Bugs, Thrips.
10-oz. duster, ea.....$ .49

4. CALCIUM ARSENATE. A strong stomach poison used in making poisoned baits, and as a dust or spray to control certain Beetles and Worms.
1-lb. carton.....$ .25 **4-lb. bags.....$ .60**

5. CALTOX Insecticide-Fungicide. For dusting or spraying. Has proved remarkably effective for control of Sowbugs, Diabrotica Beetle, Flea Beetle and other Beetles; Corn Earworm; Rose Slug and other worms.
6-oz. ctn. (makes 8 to 16 gal. spray) $ .35
1-lb. ctn.....$ .60 **3-lb. ctn..... 1.25**

6. CONTAX Pruning Paint. A new, modern plastic pruning and grafting composition. "CONTAX" has been developed for use as a general pruning paint, a grafting compound for certain varieties of trees and in connection with tree surgery operations.
1-pint tin, ea. $ .35 **1-gal. tin, ea. $1.50**
1-quart tin, ea. .60 **5-gal. tin, ea. 6.00**

7. DEADLINE Insect Barrier. For control of climbing insects on certain varieties of mature trees. Apply on an undercoating of shellac. For use on mature trees only and on mature Grapevines.
6-oz. tin.....$ .35 **1-lb. tin.....$ .70**

8. EXTRAX Insect Spray. A complete insect spray, with Pyrethrum and Rotenone as the main active ingredients and sufficient wetting agent to give high wetting at normal dilution. Combines with GREENOL Liquid Fungicide to make a simple "2-bottle program" of garden pest control. The low dilution effective strength makes "EXTRAX" an economical spray for general garden use.
1-oz. bot., ea. $ .35 **16-oz. bot., ea. $2.75**
4-oz. bot., ea. 1.00 **½-gal., ea. 7.95**
1-gal. tin, ea. 15.00

9. FLOTOX Garden SULFUR. A fine Powdered Sulfur suitable for use as a Dust or Spray to control Powdery Mildew, Apple Scab, Brown Rot and Red Spider.
26-oz. carton....$ .25 **4-lb. carton....$ .50**

10. Garden BORDO (Bordeaux Mixture). A Copper Fungicide widely used to control plant diseases.
1-lb. carton.....$ .35 **4-lb. bag.....$ .90**

11. Garden VOLCK Spray. The complete contact Spray used for control of sucking insects, including Aphis, Thrips, Mealybug, Scale, White Fly, Red Spider, Cyclamen Mite, small Worms, certain Beetles, Rose Mildew. Garden VOLCK Spray is now the best known all-around garden spray used by home gardeners.
4-oz. bottle ....$ .35 **1-gallon tin $3.00**
1-pint bottle ... .85 **5-gallon tin 10.00**
1-quart bottle 1.25

12. GREENOL Liquid Fungicide. A low dilution liquid fungicide containing copper and its own wetting agent, so as to give high wetting at normal dilution. Used to prevent and control certain garden diseases as Mildew, Rust, Leaf Curl and Leaf Spot and certain other diseases effectively treated with such copper fungicides. "GREENOL" is compatible with "EXTRAX" to make a convenient 2-bottle program of garden pest control.
1-oz. bot., ea. $ .35 **16-oz. bot., ea. $1.50**
4-oz. bot., ea.. .60 **½-gal. tin, ea. 3.95**
1-gal. tin, ea. 7.50

13. KLEENUP Dormant Oil Spray Emulsion. Used on dormant Deciduous Trees and Shrubs to kill San Jose Scale, Lecanium Scale, and other over-wintering insect pests.
1-quart tin (makes 6 gallons), each....$ .50
1-gal. tin, ea.....$1.00 **5-gal. tin..... 3.00**

14. LEAD ARSENATE (Basic). Used as a spray or dust to control chewing insects such as Beetles, Caterpillars and Worms.
1-lb. tin.....$ .35 **5-lb. tin.....$1.50**

15. LIME-SULFUR (Dry). A fungicide-Insecticide, used to control certain fungous diseases and certain insects.
1-lb. tin.....$ .39 **5-lb. tin $1.55**

16. Nursery VOLCK Summer Oil Spray. Long recognized as a superior spray for Mealybug, Red Spider, Scale, White Fly. Also recommended as carrier and spreader for Nicotine, Pyrethrum, Rotenone, Bordeaux, "CALTOX", Lead Arsenate, in combination spray mixtures.
1-pint tin .....$ .50 **1-gallon tin.....$2.00**
1-quart tin .... .75 **5-gallon tin..... 5.00**

17. "ORTHO" ROSE SPRAY KIT. A special combination Kit containing a 2-oz. bottle EXTRAX Insect Spray and a 2-oz. bottle GREENOL Liquid Fungicide together with an illustrated circular on Rose Pest Control. Makes 12 gallons combination spray for simplified control of many Rose Insects and Diseases including certain Aphis, Beetles, Caterpillars, Leafhoppers, Red Spiders, Rose Slugs, Rose Chafers, Scale Insects, Thrips, Black Spot on Roses, Rose Mildews and Rose Rust.
Complete Rose Spray Kit.....$1.00

18. Rodent Destroyer. A balanced strychnine-poisoned ration containing Wheat, Barley, Oats, and Fruits. Used to kill Gophers, Squirrels, Rats, Mice and Prairie Dogs. Longer lasting, waterproof, more effective.
6-oz. carton ....$ .30 **5-lb. carton....$2.00**
1-lb. carton.... .60

19. SCRAM Dog Repellent. A powder used around Lawns and Shrubs to repel Dogs.
Special Shaker Package.....$ .49

20. "TRANSPLANTONE". A water soluble powder containing two plant hormones including naphthylacetamide, and three vitamins including vitamins B1 and C. The hormones initiate or form roots, while the vitamins are for their continued growth.
½-oz. can, ea $ .25 **1-lb. can, ea. $4.00**
3-oz. can, ea. 1.00

21. TRIOX Weed Killer. The improved "ORTHO" Weed Killer, used to kill weeds on paths, roads, curbs, tennis courts, parking lots, athletic fields, etc.
1-pt. tin, ea..... .50 **1-gal. tin, ea.....$2.00**
1-qt. tin, ea..... .75 **5-gal. tin, ea..... 6.25**

THESE PRICES SUBJECT TO CHANGE WITHOUT NOTICE

The Only Way to . . . GARDEN ENJOYMENT!

THE only way to garden enjoyment is gardening success! . . . A beautiful deep-green, thriving lawn, healthy, full-foliaged shrubs and trees and flowers radiant with blooms of every hue, gloriously fragrant.

Your garden will be a success if you get your seed from us and feed your entire garden with VIGORO. This complete plant food has brought new gardening joy to millions of gardeners for the past 17 years. Vigoro is made by Swift & Company. It is the plant food we know will give you a full measure of gardening pleasure.

Vigoro is clean, sanitary, odorless, easy to use, and most economical. Be sure of gardening success . . . treat your lawn with a complete plant food as well as good seed.

VIGORO

Complete plant food

VIGORO PRICES

1 lb.....$ .10	10 lbs.....$ .85	50 lbs.....$2.50
5 lbs..... .45	25 lbs..... 1.50	100 lbs..... 4.00

FERTILIZERS

All sold at current market prices. Ask for quotations.

Ammonium Sulphate is a valuable fertilizer for all plants in which a large leaf development or rapid growth is desired. It will stimulate growth almost immediately. It is also used for top-dressing lawns, producing a thick velvet growth and discouraging the weeds. It is a highly concentrated nitrogenous product, containing 25¼ per cent ammonia, 20¾ per cent nitrogen. One pound to 200 square feet is sufficient application for laws.

Bone Meal. Extra fine; is a fertilizer recommended for laws, rose bushes, grape vines, especially where a moderately slow fertilizer is needed for the deep-rooted shrubbery and where a perfectly safe fertilizer is required. It contains phosphoric acid and some nitrogen.

Granulated Peat Moss. For greenhouse, garden and home. Our peat moss is of the finest quality you can buy anywhere at any price. Its use contributes to the humus content of the soil, lightening heavy clay and binding sandy soils. It insulates soil against freezing and thawing in winter and conserves moisture in summer. Clean, odorless and economical to use.

Sheep Guano. An efficient fertilizer to use on lawns, in the garden, the perennial border, shrubbery beds, small fruit garden, flower beds, etc. It is safe and dependable. A natural plant food and not a chemical stimulant.

Nitrate of Soda. A fertilizer for all crops; quick in action and hastens the maturity of crops fully two weeks. It should not be applied until the plants are above the ground. Do not allow solution to touch foliage. Dissolve 1 oz. to 2 gals. or 1 lb. to 50 gallons.

Superphosphate (Acid or Rock Phosphate) is a water soluble combination of phosphoric acid and lime which is formed by the action of sulphuric acid on raw phosphate rock. It aids in plant nutrition and assists the plant to assimilate other ingredients. Superphosphate is an efficient fertilizer element for lettuce, truck crops, cereal crops, and alfalfa.

Tankage. Containing by-products from slaughter houses and contains blood, meat, bone that has been cooked. dried and ground. The analysis varies much, running from 5 to 9 ammonia and 5 to 15 phosphoric acid. It contains no potash and for best results potash should be mixed with tankage.

Hydrated Lime. The constant watering of lawns tends to sour the soil and eventually the lawn becomes foul with sorrel, Creeping Charlie, and other weeds which thrive in an acid soil. This condition may be improved by applying hydrated lime.

Muriate of Potash. This fertilizer is especially valuable for fruit trees and berries.

Sulphate of Potash. A desirable form of potash, especially valuable for potatoes and any root crops, such as beets. turnips, etc., also cabbage, etc.

ROOTONE

Reg. U. S. Pat. Off.

ROOTONE, the plant hormone powder. Dip cuttings in Rootone before planting to give faster, better, more successful rooting. Mix flower, vegetable or grass seed with Rootone before planting to give faster growth and stronger roots. Easy to use. ¼ oz. packet 25c. 2 oz. jar $1 00. 1 lb. can $5.00.

Geranium Cuttings. Treated and Untreated

SPRAYS ACME INSECTICIDES DUSTS

INSECTICIDES ARE MAILABLE — (P. O. Orders No. 5127 and 5140)

ACME SCIENTIFIC ROSE SPRAY

A "system.. of spray treatment for roses and flowers of all kinds. Eliminates guess work Each set contains three separate items—A, B, and C—each scientifically made to combat one of the three major classifications of blight and insect pest. Mix all three together with water. Use regularly. Result: complete all-around protection. Surprisingly economical.

Sizes	Amount of Spray	No. of Roses Protected all season	Prices
No. 3	12 qts.	7 to 12 bushes	$0.95
No. 6	24 qts.	15 to 25 bushes	1.50
No. 24	96 qts.	60 to 100 bushes	4.00
No. 48	48 gals.	120 to 200 bushes	6.00
No. 96	96 gals.	240 to 400 bushes	9.75

ACME BAIT-M

(With Metaldehyde)

An effective insecticide bait which will throw a ring of protection around shrubs, flowers and plants in garden and lawn.

The active ingredient, metaldehyde, is a remarkable discovery which causes slugs and snails to be attracted and destroyed. Prepared on the Pacific Coast to specifically meet coast requirements.

Prices: 1 lb. 25c; 2½ lb. 50c; 10 lb. $1.75

Acme Red River Potato Mix

Dust or Spray. A scientific formula combining a patented copper fungicide with quick-killing arsenic. Kills potato bugs quicker —drives off flea beetle and leaf hopper--prevents blight—stimulates foliage. Get top prices for your harvest.

1 lb. bag....30c 4 lb. bag....80c

Acme Copper Queen

(Mildew Spray)

A stainless liquid copper spray for the control of mildew, leaf spot, and black spot on rose bushes, flowers, and many other kinds of foliage. Leaves no unsightly residue. A liquid spray replacing Bordeaux Mixture and Sulphur.

½ Pt....35c Pt....60c Qt....90c
Gal.....$2.25 5 gal....$7.50

Acme Stop

A sticky tree banding compound for use on trees, shrubs, and vines to prevent insects from crawling up to destroy foliage. Simplifies the spraying problem later. A gummy, sticky oil mass retaining stickiness over a long period. Easily removed from hands and tools with kerosene soaked cloth.

6 oz....35c 1 lb....65c 5 lb....$3.00
10 lb.....$5.00

Acme Arsenate of Lead

The widest used arsenical insecticide. Safe on tender foliage for the control of chewing insects on fruit trees, vegetables, tobacco, and many other plants. Controls grubs in lawns.

½ lb...20c 1 lb...30c 4 lb. bag..70c

Acme Rotenone Garden Guard

For use as a spray or dust. Non-injurious to humans and warm-blooded animals, yet effective both by contact and as a stomach poison against an exceedingly wide range of insects. The killing ingredient is Rotenone. Contains no arsenic or fluorine compound. It is especially recommended for use on broccoli, cabbage, cauliflower, Brussels sprouts, and string beans (Mexican Bean Beetle). A favorite of the housewife for the rose and flower garden. Controls lice, fleas, and mites on dogs, cats, birds, and chickens.

1 lb. sifter carton.....35c
4 lb. bag 65c
50 lb. bag $6.75

Acme Ant-Kill

Most effective for control of all honey-dew loving ants. Eliminates the whole colony. Syrup is sold with only safety cup on the market. Fully covered by U. S. patents.

Jr. Set 35c
2 oz. bottle.....15c
Cottage Set 65c
Pint 50c
Extra Cups 10c

Acme Paris Green

Strongest and quickest-acting of all arsenical insecticides. Used on hardy foliage such as potatoes, cotton, tobacco, and insect baits where extreme measures are necessary.

¼ lb...20c 1 lb...50c 5 lb...$2.25
14 lb.....$5.00

Acme Weed Killer

Destroys weeds and all vegetation. The kind to use on driveways, clay courts, paths, etc. Also widely used in spotting out dandelions, plantain, and other noxious lawn weeds by application undiluted, using a weed cane or squirt-bottom oil can.

Pint.....35c Quart.....55c
Gallon.....$1.60

Acme Bordeaux Mixture

Prevents large losses caused by blight, rot, mildew, scab, anthracnose, etc. Stimulates plant growth, increasing the harvest. Almost every kind of vegetable, fruit, and shrub can be improved by Bordeaux spraying.

1 lb.....30c 4 lb.....70c

Acme Emo-Nik

A valuable spray for the control of scale, red spider, mealy bug, white flies, rust mites, aphis, and many other common insects. A complete contact insect spray combining nicotine in its most active form with Emo, a high quality summer oil emulsion. Practically odorless when sprayed.

4½ oz...35c Pint...65c Quart...95c
Gallon.....$2.50

Acme Wettable Dusting Sulphur

An improved dusting sulphur for home use which can also be used as a liquid spray. Controls red spiders on evergreen, and mildew, leaf spot, black spot, and rust on rose bushes, chrysanthemums, snapdragons, carnations and certain other foliage. 98% passes through a 325 mesh screen. An excellent chigger chaser. 2 lb. sifter carton, 30c.

Acme Lime Sulfur

A standard 33° Baume lime and sulphur converted into a dry powder having all the effectiveness of a liquid product when dissolved in water. For dormant spraying against scale, peach blight, leaf curl, and twig borer. For summer spraying against scab, soot, blotch, red spider, and mite.

1 lb...35c 5 lb...$1.45 12½ lb...$1.75

Acme Aphis Spray

An improved nicotine spray combining a soft spray soap with Black Leaf 40. As a contact spray controlled tests prove it to be more effective against a wide range of soft bodied sucknig insects than any other contact spray. Mixes easily with any kind if water. Complete directions found with every package. Recommended for aphis (plant lice), thrip, leaf hopper, and many more hardy insects infesting rose bushes, flowers, shrubs, vines, bushes, and trees.

3 oz. collapsible tube....35c 12 oz. can....$1.00 2½ lb.....$2.35

WRITE FOR FREE SPRAYING GUIDE

KEEP YOUR GARDEN FREE
from Pests and Diseases the Easy, Positive
BARFOOT WAY

You'll like Barfoot Sprays because they're

1. **Kind** to your tenderest foliage.
2. **Economical**—1 teaspoon makes a gallon.
3. **Easy** to mix, have pleasant aroma.
4. **100% Effective!**

- Use **BARFOOT ROTENONE SPRAY** to Kill and Prevent All Sucking, Many Chewing Insects .....**1 oz. 35c; 4 oz. $1.00**
- Use **BARFOOT FUNGICIDE** to control most Fungi .....**1 oz. 25c; 4 oz. 75c**
- Combine **BARFOOT NEUTRAL SPREADER** with Both Barfoot Rotenone and Fungicide to Penetrate Everywhere. This "lubricant" enables your Barfoot Rotenone and Fungicide to penetrate close-fitting leaf sheaves, rolled-up buds . . . **everywhere!**.....**1 oz. 15c; 4 oz. 35c**

Blend 25 Gals. Barfoot Spray Quickly, Accurately with the New . . . .

BARFOOT SPRAY KIT

Here's What-All You Get—
Barfoot Spray (4 oz.), **Barfoot Fungicide** (4 oz.), **Barfoot Spreader** (4 oz.), **Handy Measuring Bottle, Spray Chart, Spray Record Calendar**—all for only... **$2.10**

For a healthy, pest-free garden, follow the lead of horticultural experts . . . Spray with **BARFOOT.**

Be Lucky! Insist on the 4-Leaf Clover Bottle!

IMPORTANT ORDERING SUGGESTIONS

FREE TRANSPORTATION ON ALL FLOWER AND VEGETABLE SEEDS IN PACKETS, OUNCES OR ¼ LBS.

All seeds quoted in this catalog are now shipped by Parcel Post, all transportation and packing charges paid by us. C.O.D. and money order return fees are not considered as transportation charges and, therefore, must be paid for by the customer. Avoid them by sending remittance with order. Bulk seeds, such as Peas, Beans and Corn, in quantities, are shipped to your nearest express or freight office, transportation collect. If you wish them shipped by Parcel Post, please send necessary postage.

SHIPPING ORDERS. When goods are to be shipped by Freight or Express, give plain shipping directions; otherwise we use our best judgment in routing. Goods on which we pay transportation are shipped at our option.

SEND MONEY. Remittances should always accompany the order. Remittances may be made at our risk by any of the following methods (1st and best) **Post Office Order;** (2nd) **Bank Draft;** (3rd) **Express Company Money Order;** (4th) **Cash by Express in amounts not less than $50;** (5th) **Registered Letters.**

AN ORDER BLANK is in this catalog for your convenience. Print or write your Name, Post-Office, County, and State plainly. If you have moved, give us your old address and we will change our mailing list.

WE GUARANTEE the safe arrival of your order.

NON-WARRANTY. Contingencies continually arising prevent the very best seeds always giving satisfaction. For these reasons it is impossible to guarantee seeds under all circumstances: therefore we give no warranty- express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, or plants we sell, and will not be in any way responsible for the crop.

Trans Plant Bands

The one objection to flat grown bedding plants so largely sold to home gardeners is that frequently half the summer is necessary to reestablish them after digging them up and transplanting. The answer is grow them in

Wooden Plant Bands

PLANTS MATURE WEEKS EARLIER

—

TIME SAVED IN WATERING

Plants growing in bands will require only half the watering of those grown in round or cone-shaped pots. Remember! Square bands and pots have nearly twice the cubic capacity of round pots of same diameter. Order next size smaller band than the round pot you generally use.

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NEW MODEL

With guard that protects the valve. Price complete with 12-oz. can of Getzum Weed Destroyer **$1.75**
Additional pints ..... **.29**
Gallon **1.75**

Add To Your Gardening Pleasure... ORDER THESE GERMĀCO PRODUCTS Now!

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TWIST-EMS
Pat. Pend. T. M. Reg. U.S. Pat. Off.

. . . Help you support plants quickly, neatly, permanently!

Banish unsightly twine and raffia, needless work with shears. TWIST-EMS—strong, dark-green "invisible" tapes, protect stems, permanently support plants. Save time and money arranging flowers, tying bouquets. Millions used. Buy today.

BOX of 125 (8" LONG) or BOX of 250 (4" LONG) . . **25c**

NEW! BOX of 125 (16" LONG) **50c**

The New Streamlined HARCO SPRAYER

Brand-new, efficient, easy-to-use. Harco's conveniently-long extension rod quickly sends a penetrating spray where it is most needed for effective garden pest control.

Get yours today, only $2.35.

How Hotkaps help you grow Earlier, Hardier Vegetables, Flowers

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. . . for SURE CROPS 3 WEEKS EARLIER

HOTKAPS, patented strong little hot-houses, completely protect plants from destructive frost, storms, insects. Increase yield 18% to 51%, ripen plants 3 weeks earlier. Easy to set. Millions used. Order today. **25 Hotkaps with Setter . . . 50c. 1000, $11.00; 250 with Setter, Tamper, $4.25; 100 with Setter, Tamper, $2.85.**

It's Compact! It's Bantamweight! It's Efficient! It's Low Priced!

The NEW HAYES-ETTE Self-Mix Garden Hose SPRAYER for Your Small Garden

Operates easily. Sprays all modern materials free from soaps—up, down, sideways, **continuously.** Capacity 1½ gallons of mixed spray material.

Order your HAYES-ETTE today. Only

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Just Press The Lever Lightly . . .

HAYES JR. Self-Mix Garden Hose
SPRAY GUN
Takes the Work Out of Spraying

For average-size garden. Simply attaches to garden hose. Mixes insecticide automatically, properly—no waste. Adjustable nozzle sprays up, down, sideways. Sprays liquids and most wettable powders. **Order now. . . . . $5.95 each**

***5 Reasons* WHY IT PAYS TO FERTILIZE YOUR LAWN THE NEW, QUICK E-Z WAY!**

1. "E-Z" TO USE—Fill container with any commercial plant food, guide E-Z Fertilizer Spreader & lawn is covered. 2. Scientific, uniform distribution. 3. Quick. 4. Economical. 5. Strong—Long life. Excellent for sowing lawn seed. Order today. **$1.25**

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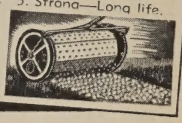

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HORMONIZE
...WITH *Thompson's*
HORMONE-VITAMIN FORMULAS

Products of one of the Nation's largest vitamin producing plants.

REE-ROOT

Two Formulas: No. 1 and No. 2

Here is an ideal combination of hormones, to induce rapid rooting of cuttings – and B-Complex vitamins to stimulate root growth. No. 1 for sensitive plants, **75c for 2-oz. can;** No. 2 for more hardy, woody plants, **$1 for 1½-oz. can.**

TRANSPLANT TABLETS

Reduce root shock and wilting in all transplanting – seedlings, cuttings, mature plants. Proven combination of hormones and Vitamin B-Complex, in new convenient form. Each pellet makes two gallons of solution. **40 tabs 50c; 100 tabs $1.**

PREE-PLANT

For quicker germination and sturdier seedlings, dust seeds and bulbs with this proven formula before planting. Combines hormones, B-Complex and organic nitrogen. **2 oz. for $1.**

VITAMIN B_1 PELLETS AND B_1 VITAMIZER

A scientific aid to growth and vitality, Thompson's pellets now contain, in addition to former B_1 content, all the known factors of Vitamin B-Complex. With easy-to-use Shake-A-Drop bottle, **100 pellets, $1.**

SPECIAL: 100 B_1 Pellets with B_1 VITAMIZER (attaches to garden hose, automatically mixing and distributing solution) – $2 value – **only $1.89.**

Simple directions with all products

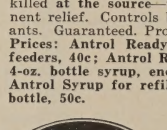
Try all 4 of these proven products of modern science.

ANTROL Kills Sweet and Grease Eating Ants

A SCIENTIFIC METHOD, SAFE, SURE, PERMANENT

Antrol is easy to use, economical, safe around children and pets. Consists of small glass containers from which worker ants carry special Antrol Syrup to their nests for food. The ant family is often killed **at the source**—the only way to get permanent relief. Controls both sweet and grease-eating ants. Guaranteed. Proved in over a million homes. **Prices: Antrol Ready-filled set, contains 4 filled feeders, 40c; Antrol Regular Set, 4 containers and 4-oz. bottle syrup, enough for 2 fillings. . . . . 60c. Antrol Syrup for refilling, 4-oz. bottle, 20c. Pint bottle, 50c.**

SAFE TO USE AROUND CHILDREN AND PETS
Can be used inside or outside the house.



ANTROL ANT TRAPS

Kills both sweet and grease eating ants, contains two kinds of specially prepared material. **Each 10c.** Can be used inside or outside the house.

SNAROL

Metaldehyde-Arsenical Bait

Attracts and kills snails and slugs. Snarol may also be used to control Sowbugs, Cutworms, Earwigs, etc. A ready-prepared bait meal that is non-injurious to vegetation when used as directed. Retains its effectiveness for from five to ten days after being put out. **1-lb. packages, 25c; 2½-lb. packages, 50c; 6-lb. packages, $1.00; 10-lb. bags, $1.50; 50-lb. bags, $5.50.**

ANTROL SOWBUG-CUTWORM CONTROL

An especially prepared bait made very attractive to these hard to control pests and used by commercial and home gardeners everywhere. Guaranteed to give satisfaction. Packed in cans with convenient pouring spout.

8 oz. can, 25c; 12 oz. can, 35c; 2½ lb. can, $1.00

ROSES

NOVELTY and PATENTED ROSES

Angels Mateu (HT) (P. Dot. 1934). Plant Patent No. 174. This is one of the most appealingly lovely of all the roses produced by the great Spanish rose hybridizer, Pedro Dot. Orange-rose—almost the color of coral from the south seas. **$1.00 each; 3 for $2.50.**

Charlotte Armstrong (HT) (Armstrong, 1941). Plant Patent No. 455. A rose of surpassing beauty. Long slender, blood-red buds open to magnificent flowers of spectrum-red in cool weather and cerise in hot weather. Long stems. **$1.50 each; 3 for $3.75.**

Crimson Glory (HT) (W. Kordes Sons, 1935). Plant Patent No. 105. Crimson Glory is easily recognized by its large buds of typical urn-shape which open into full, well-formed, delightfully fragrant blooms of a deep vivid crimson, shaded ox-blood-red. **$1.00 each; 3 for $2.50.**

Climbing Mrs. Sam McGredy (Cl.) (Western Rose Co., 1940). Plant Patent No. 394. Flowers are of a beautiful copper-orange color, flushed with Lincoln red on the outside of the petals; delicately perfumed. **$1.00 each; 3 for $2.50.**

McGredy's Sunset (HT) (McGredy, 1936). Plant Patent No. 317. A charming rose of gorgeous saffron yellow, touched with delicate orange and rich scarlet. Sweet, fresh fragrance. A generous bloomer resistant to sun, hot weather and disease. **$1.25 each; 3 for $3.15.**

Mme. Henri Guillot (HT) (C. Mallerin, 1937). Plant Patent No. 337. A strikingly colored rose of deep pink, beautifully formed. Large urn-shaped buds open to camellia-like blooms, about 5 inches across, watermelon to raspberry-pink in color. **$1.25 each; 3 for $3.15.**

R. M. S. Queen Mary (HT) (Verschuren, 1937). Plant Patent No. 249. This rose is beautiful beyond description—distinct from anything yet seen in roses. Its color is a glorious combination of vivid shades blending rich glowing salmon with an exquisite pure pink and orange base. **$1.00 each; 3 for $2.50.**

Ruth Alexander (LC) (Rena Wilber, 1937). Plant Patent No. 178. Large, long-pointed buds of vermilion-orange open to large, high centered flowers, jonquil-yellow at the base, merging into orange. The tips of the petals are old rose when mature. Glossy foliage. Beautiful. **$1.25 each; 3 for $3.15.**

Signora (HT) (D. Aicardi, 1934). Plant Patent No. 201. Long, pointed buds of warm orange-red. Large, double, cupped flowers of lighter mandarin and salmon. A tall growing plant with beautiful rich green foliage. **$1.00 each; 3 for $2.50.**

Texas Centennial (HT) (A. F. Watkins, 1935). Plant Patent No. 162. Blood-red. A sport of the rose President Herbert Hoover. Different only in color which is rich blood-red, toning to cerise-red in center. **85c each; 3 for $2.15.**

Treasure Island (HT) (Raffel, 1938). Magnificent, high centered blooms of flaming coppery pink; inside of petals light salmon, tinted orange at the base. Flowers are produced on strong stems. A moderate grower with large, leathery foliage. **$1.00 each; 3 for $2.50.**

STANDARD BUSH ROSES

No. 1 Two-Year-Old Field Grown—60c each, $5.50 per ten

RED HYBRID TEAS

Cynthia. This variety is best described as an improved Charles P. Kilham. The attractive buds develop into splendid full flowers of a rich oriental red color.

E. G. Hill. This is the most unfading of all red roses. Immense, double flowers of dazzling scarlet shading to a deeper red as they develop; are delicately fragrant and long lasting.

Etoile de Hollande. The finest dark red rose for general purposes. Ranked among the first three of its color by everyone who knows roses. The beautiful, oval buds are perfect.

Grenoble (HT) (C. Mallerin, 1927) One of the best garden reds. Crimson buds borne on long stems, opening to large, globular, fragrant flowers of brilliant red, almost scarlet.

Southport. Flower full, cupped, very lasting, fragrant, a very brilliant, unfading scarlet.

PINK HYBRID TEAS

Dainty Bess (Single). An exceedingly charming and dainty colored rose of perfect form. Petals are delicate shell pink.

Edith Nellie Perkins. An outstanding, free flowering rose. Long, pointed buds of good size. Double, fragrant flowers. Orient red, shaded cerise-orange; inside salmon-pink.

Editor McFarland. Long-pointed pink buds with a glow of amber and a paler edge. Delightful fragrance.

Picture. Well shaped buds of medium sized, velvety rose-pink flowers, with warm salmon undertones. Strong, vigorous plants; unusually free blooming. One of the finest pink roses.

Pink Dawn (HT) (Howard & Smith, 1935). A beautiful new hybrid tea rose with glorious deep rose buds opening to lovely pink blooms tinted with orange at the base of the petals. Sweetly fragrant, fully double, and of vigorous upright habit.

ORANGE and TRI-COLOR HYBRID TEAS

Autumn. A distinct color of intense richness. This rose incorporates shades of burnt orange suffused with russet-brown and bronzy red all overlaid on a background of rich yellow.

Condesa de Sastago. You will admire the brilliant colors of this new double rose from sunny Spain. The bud is like a ball of gold with red stripes. Fully open it is fiery copper and gold.

Hinrich Gaede. This magnificent rose has beautiful long, pointed buds of a brilliant nasturtium red color. The flowers are large, double, high-centered, and of a highly artistic shape.

Mme. Joseph Perraud (HT) (Gaujard, 1934). Long, slender, and pointed nasturtium-orange buds open to sweetly fragrant flowers of a charming nasturtium buff straying to a lovely shade of shell pink at the petal edges—the nearest approach to a pure buff lightened with pink at the petal margins.

Mrs. Sam McGredy. Large, long-pointed buds are produced singly on strong, slender stems. The color is a glowing combination of red, copper and orange.

Pres. H. Hoover. A wonderful multi-colored rose, charmingly combining shades of cerise-pink, flame, scarlet and yellow.

Talisman. A vividly colored rose of an unusual combination of gold, apricot, pink and carmine in mingled splashes, streaks and blends.

YELLOW HYBRID TEAS

Golden Dawn. The oval buds are rich straw-yellow, flushed old-rose, opening into splendid double, sweetly scented flowers of sunflower-yellow.

Golden Rapture. A splendid new yellow rose of upright growth. The pure yellow buds are of ideal form. Beautiful, large, double flowers which last without fading.

Joanna Hill. The exquisitely formed long buds are orange-yellow, extremely fragrant. The open blooms are lighter.

McGredy's Yellow (HT) (McGredy, 1933). Large, bright buttercup yellow flowers, every bloom of which is perfect in form and sweetly scented. The foliage is glossy and free of disease in most localities. The fine bush is full of vigor, continually sending out fine blooms. Stands heat well.

Mrs. P. S. DuPont. Winner of more gold medals for outdoor blooms than any other rose. Buds are small but exquisitely formed and of a reddish gold, opening into yellow flowers.

Sister Therese. Buds are long, dark golden yellow and remarkably beautiful. Sweetbriar fragrance.

WHITE HYBRID TEAS

Frau Karl Druschki. The most popular everblooming white rose. Outer petals of immense buds occasionally tinged with pink; open blooms pure snow white, large and moderately full.

McGredy's Ivory. The size and perfection of form of this wonderful rose are almost unbelievable. The buds are long and pointed, opening to perfectly formed flowers of ivory-white.

Mme. Jules Bouche. Shapely buds and well formed, high centered flowers of pure white, occasionally with a tender blush pink tint at the center. A splendid white rose and a vigorous grower.

CLIMBING ROSES

Cecile Brunner (P). A persistent bloomer, flowers perfectly double, exquisitely formed but tiny and borne in clusters. The color is a salmon-pink shading.

Etoile de Hollande (HT). Ranked among the first three of its color by everyone who knows roses. The beautiful, oval buds are perfect, of medium size, and open into magnificent brilliant red blooms.

Paul's Scarlet. The semi-double flowers are of good size and of a vivid scarlet-red color, fading but little. Freely produced in clusters on much branched canes. It is perfectly hardy.

Pres. H. Hoover (HT). A wonderful multi-colored rose, charmingly combining many shades of cerise-pink, flame, scarlet and yellow. Very vigorous.

Reveil Dijonnais (LC). For sheer brilliancy of coloring this is probably one of the most outstanding climbers ever introduced. Large, semi-double flowers of light yellow with a deep zone of cerise-pink around the edges, creating the effect of a deep pink rose with a great yellow center.

Talisman (HT). A striking climber with the same vivid colors as the bush variety—gold, apricot, pink and carmine. Flowers are fairly double; of lovely form.

We can supply most standard varieties in climbing types.

POLYANTHA

Cecile Brunner. A persistent bloomer, flowers perfectly double, exquisitely formed but tiny and borne in clusters. The color is a salmon-pink shading deeper toward the center. Dense handsome foliage.

CHARLOTTE ARMSTRONG
(Plant Patent No. 455)

Charlotte Armstrong (Plant Patent No. 455). Long, slender blood-red buds. **$1.50 each; 3 for $3.75.**

HINRICH GAEDE

Hinrich Gaede. Large double flowers of brilliant nasturtium red. **60c each.**

McGREDY'S YELLOW

McGredy's Yellow. Large, bright buttercup yellow flowers. **60c each.**

Picture. Velvety rose-pink with warm salmon undertone. **60c each.**

PICTURE

McGREDY'S SUNSET (Plant Patent No. 317)

McGredy's Sunset (Plant Patent No. 317). Gorgeous saffron yellow touched with scarlet. **$1.25 each; 3 for $3.15.**

SWEENEY, STRAUB & DIMM, HORTICULTURAL PRINTERS, PORTLAND, ORE.

SUPERB GLADIOLUS COLLECTION

We offer you one each of twelve fine unnamed Gladiolus in different colors. These bulbs will produce an interesting display in your garden. **50c.**

BEST ALL-PURPOSE GARDEN VEGETABLES

For the Home Gardener

7 pkts. 60c, postpaid.

One each of Chantenay Carrot, Early Snowball Cauliflower, Golden Cross Bantam Corn, Colorado Improved Cucumber, Hale's Best Muskmelon, Extra Triple Curled Parsley, Marglobe Tomato.

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MOBILE, ALABAMA